

Prof. MEHMET UĞRAŞ CUMA

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2006 - 2010

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2004 - 2006

Undergraduate, Cukurova University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2000 - 2004

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

IT, Microsoft Certified Database Administrator, Platon Bilişim Akademi, 2004

IT, Microsoft Certified System Expert, Platon Bilişim Akademi, 2004

Dissertations

Doctorate, Digital signal processor based implementation of custom power device controllers , Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Bölümü, 2010

Postgraduate, Design and applications of fuzzy and neural controllers , Cukurova University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği Bölümü, 2006

Research Areas

Electrical and Electronics Engineering, Power Electronics, Power Converters, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2018 - Continues

Assistant Professor, Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2012 - 2018

Lecturer PhD, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2010 - 2012

Research Assistant, Cukurova University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2004 - 2010

Academic and Administrative Experience

Deputy Head of Department, Cukurova University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2013 - 2016

Cukurova University, Ceyhan Meslek Yüksek Okulu, Elektrik Bölümü, 2013 - 2015

Courses

Undergraduate

Power Electronics II, Undergraduate, 2014 - 2015

Electromechanical Energy Conversion I, Undergraduate, 2014 - 2015

Supervised Theses

CUMA M. U., PSCAD modeling of transmission lines in İstanbul district, problems and improvement of the system using statcom, Postgraduate, M.AY(Student), 2015

CUMA M. U., Development of a new automatic voltage regulator for diesel generator sets using two switch three state buck-boost convertor, Postgraduate, A.Reza(Student), 2015

CUMA M. U., Development and implementation of a new intelligent safety package software for commercial vehicles, Postgraduate, E.AYTAR(Student), 2015

CUMA M. U., Rüzgar santralının elektrik şebekesine etkisinin araştırılması, Postgraduate, S.YOLALAN(Student), 2014

Jury Memberships

Post Graduate, Durmuş Ali Eroğlu, Çukurova Üniversitesi, August, 2015

Post Graduate, Rahmi İlker KAYAALP, Çukurova Üniversitesi, June, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An improved and fast balancing algorithm for electric heavy commercial vehicles**
Erdogan B., Savrun M. M., Koroglu T., CUMA M. U., TÜMAY M.
JOURNAL OF ENERGY STORAGE, vol.38, 2021 (SCI-Expanded)
- II. **Design and implementation of algorithms for one pedal driving in electric buses**
CUMA M. U., Unal C. D., Savrun M. M.
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, vol.24, no.1, pp.138-144, 2021 (SCI-Expanded)
- III. **Implementation of a Novel Hybrid UPQC Topology Endowed With an Isolated Bidirectional DC-DC Converter at DC link**
KÖROĞLU T., TAN A., Savrun M. M., Cuma M. U., BAYINDIR K. Ç., Tumay M.
IEEE JOURNAL OF EMERGING AND SELECTED TOPICS IN POWER ELECTRONICS, vol.8, no.3, pp.2733-2746, 2020 (SCI-Expanded)
- IV. **Isolated H-bridge DC-DC converter integrated transformerless DVR for power quality improvement**
Savrun M. M., Koroglu T., TAN A., CUMA M. U., BAYINDIR K. Ç., TÜMAY M.
IET POWER ELECTRONICS, vol.13, no.5, pp.920-926, 2020 (SCI-Expanded)
- V. **Multiple harmonic elimination-based feedback controller for Shunt Hybrid Active Power Filter**

- TAN A., BAYINDIR K. Ç., Cuma M. U., Tumay M.
IET POWER ELECTRONICS, vol.10, no.8, pp.945-956, 2017 (SCI-Expanded)
- VI. **A new method to estimate the range of electric vehicles without using exact motor parameters**
CUMA M. U., SAVRUN M. M.
INTERNATIONAL JOURNAL OF HEAVY VEHICLE SYSTEMS, vol.23, no.4, pp.333-349, 2016 (SCI-Expanded)
- VII. **A comprehensive review on estimation strategies used in hybrid and battery electric vehicles**
CUMA M. U., KÖROĞLU T.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.42, pp.517-531, 2015 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **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 (SCI-Expanded)
- XI. **A practical disturbance generator to test performances of various power quality mitigation devices**
TEKE A., Meral M. E., TÜMAY M., CUMA M. U.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.21, no.1, pp.38-54, 2013 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **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 (SCI-Expanded)
- XIV. **Hierarchical neuro-fuzzy current control for a shunt active power filter**
Cagatay Bayindir K., Ugras Cuma M., Tumay M.
NEURAL COMPUTING & APPLICATIONS, vol.15, pp.223-238, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Design and Analysis of a High-Efficiency Resonant Converter for EV Battery Charger**
ERDOĞAN B., TAN A., SAVRUN M. M., CUMA M. U., TÜMAY M.
Balkan Journal of Electrical and Computer Engineering, vol.11, 2023 (Peer-Reviewed Journal)
- II. **Performance Benchmarking of Active-Front-End Rectifier Topologies Used in High-Power, High-Voltage Onboard EV Chargers**
CUMA M. U., SAVRUN M. M.
Çukurova Üniversitesi Mühendislik Fakültesi Dergisi, vol.36, no.4, pp.1041-1050, 2021 (Peer-Reviewed Journal)
- III. **Feeding Electricity Ring Grids with Minimum Interruption Using Fuzzy Logic Based Relay Coordination Scenarios Under Interruption Conditions**
CUMA M. U., SAVRUN M. M., Demiray İ.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.1, pp.149-158, 2020 (Peer-Reviewed Journal)
- IV. **Prediction of Ultimate Tensile Strength of Prestressed Concrete Strand using Artificial Neural Network Model**
CUMA M. U., ÖZEL H., KÖROĞLU T.

Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.33, no.3, pp.187-196, 2018 (Peer-Reviewed Journal)

- V. **DSP controlled voltage disturbance generator**
Savrun M. M., TAN A., KORUĞLU T., Cuma M. U., Bayındır K. Ç., Tumay M.
JOURNAL OF ELECTRICAL SYSTEMS, vol.14, no.1, pp.174-187, 2018 (ESCI)
- VI. **A REVIEW OF CHARGING TECHNOLOGIES FOR COMMERCIAL ELECTRIC VEHICLES**
DERİCİOĞLU Ç., YİRİK E., ÜNAL E., CUMA M. U., ONUR B., TÜMAY M.
INTERNATIONAL JOURNAL OF ADVANCES ON AUTOMOTIVE AND TECHNOLOGY, vol.2, pp.61-70, 2018 (Peer-Reviewed Journal)
- VII. **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 (Peer-Reviewed Journal)
- VIII. **DESIGN CONSIDERATIONS OF HIGH VOLTAGE BATTERY PACKS FOR ELECTRIC BUSES**
CUMA M. U., YİRİK E., DERİCİOĞLU Ç., ÜNAL E., ONUR B., TÜMAY M.
INTERNATIONAL JOURNAL OF ADVANCES ON AUTOMOTIVE AND TECHNOLOGY, vol.1, no.2, pp.73-79, 2017 (Peer-Reviewed Journal)
- IX. **Simulation of Urban Electric Vehicle Transport and Charging Station Implementation at Çukurova University**
CUMA M. U., CENGİZ A. H., TÜMAY M.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.31, no.2, pp.343-354, 2016 (Peer-Reviewed Journal)
- X. **Comparison of Different Phase-Shift Control Methods at Isolated Bidirectional DC-DC Converter**
KAYAALP R. İ., DEMİRDELEN T., KÖROĞLU T., CUMA M. U., Bayındır K. Ç., TÜMAY M.
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS, ELECTRONICS AND COMPUTERS, vol.4, no.3, pp.68-73, 2016 (Peer-Reviewed Journal)
- XI. **Investigating the Impact of a Wind Power Plant on Electricity Network**
YOLALAN S., CUMA M. U.
Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, vol.32, no.2, pp.69-78, 2015 (Non Peer-Reviewed Journal)

Papers Published in Refereed Scientific Meetings

- I. **COMPREHENSIVE RESEARCH AND COMPARISON ON REQUIREMENTS, MAIN PARTS, AND AVAILABLE PRODUCTS OF ONBOARD BATTERY CHARGER FOR ELECTRIC VEHICLES**
CUMA M. U., BONCUKÇU A., SAVRUN M. M.
4. INTERNATIONAL ICONTECH SYMPOSIUM ON INNOVATIVE SURVEYS IN POSITIVE SCIENCES, Turkey, 18 July 2021
- II. **A New Balancing Algorithm for Parallel Connected Battery Packs Used in Electric Vehicles**
CUMA M. U., ERDOĞAN B., Onur B., KÖROĞLU T., SAVRUN M. M., TÜMAY M.
5th International Mediterranean Science and Engineering Congress (IMSEC 2020), Alanya, Antalya, Turkey, 21 - 23 October 2020
- III. **A Fast Simulation Model For Large Scale Battery Packs Used In Heavy Electric Vehicles**
ERDOĞAN B., SAVRUN M. M., KÖROĞLU T., CUMA M. U., TÜMAY M.
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT'19), Ankara, Turkey, 11 - 13 October 2019
- IV. **Minimization of Battery Pack Imbalance of Electric Vehicles Using Optimized Balancing Parameters**
SAVRUN M. M., KÖROĞLU T., ÜNAL E., ONUR B., CUMA M. U.
Electric Vehicles International Conference (EV'2019), Bucharest, Romania, 3 - 04 October 2019
- V. **Residential Grid Connected Solar PV System Equipped With Battery Storage Units**
SAVRUN M. M., KÖROĞLU T., YİRİK E., CUMA M. U.

International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech'18), 22 - 23 November 2018, pp.2570-2577

- VI. **Performance Comparison of PI and PIHC controllers for SAPF with LCL filter**
BÜYÜK M., TAN A., CUMA M. U., TÜMAY M.
EurasianSciEnTech 2018, 14 - 16 November 2018
- VII. **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
- VIII. **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
- IX. **THE THREE DIMENSIONAL ELECTROMAGNETIC ANALYSIS OF POWER TRANSFORMERS BASED ON ANSYS**
DEMİRDELEN T., BAL S., TÜMAY M., CUMA M. U., CİCİBAŞ A., KÖSEOĞLU K., AKSOY M.
ICAT RIGA, 6 International Conference on Advanced Technology Sciences, Riga, Latvia, 12 - 15 September 2017
- X. **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
- XI. **Smart Transformers for Integration of Renewable Energy Sources**
DEMİRDELEN T., TÜMAY M., BAL S., CUMA M. U., CİCİBAŞ A., KÖSEOĞLU A. K., AKSOY M.
7th International Symposium on Energy, Manchester, United Kingdom, 13 - 17 August 2017
- XII. **Development of Real-World Driving and Battery Predictions for Electric Buses by Using Big Data Analysis Models**
YİRİK E., ÜNAL E., IRMAK U., DERİCİOĞLU Ç., CUMA M. U.
12th ITS European Congress, Strasbourg, France, 19 - 22 July 2017, pp.1-10
- XIII. **Design Considerations of Power Distribution Control Unit for Electric Buses and Increasing Reliability of the High Voltage Components**
YİRİK E., DERİCİOĞLU Ç., IRMAK U., ÜNAL E., CUMA M. U., ONUR B., TÜMAY M.
WELMO'2017, 4 - 05 May 2017
- XIV. **Interline hybrid unified power quality conditioner**
SAVRUN M. M., KÖROĞLU T., TAN A., CUMA M. U., BAYINDIR K. Ç., TÜMAY M.
18th European Conference on Power Electronics and Applications, EPE 2016 ECCE Europe, Karlsruhe, Germany, 5 - 09 September 2016
- XV. **A Review of Charging Technologies for Commercial Electric Vehicles**
DERİCİOĞLU Ç., YİRİK E., ÜNAL E., CUMA M. U., ONUR B., TÜMAY M.
INTERNATIONAL CONFERENCE ON ADVANCES IN AUTOMOTIVE TECHNOLOGIES, İstanbul, Turkey, 11 - 14 October 2016, pp.85-92
- XVI. **Design Considerations of High Voltage Battery Packs for Electric Buses**
CUMA M. U., YİRİK E., DERİCİOĞLU Ç., ÜNAL E., ONUR B., TÜMAY M.
INTERNATIONAL CONFERENCE ON ADVANCES IN AUTOMOTIVE TECHNOLOGIES 2016, İstanbul, Turkey, 11 - 14 October 2016, pp.78-84
- XVII. **Interline Hybrid Unified Power Quality Conditioner**
SAVRUN M. M., KÖROĞLU T., TAN A., CUMA M. U., BAYINDIR K. Ç., TÜMAY M.
18th European Conference on Power Electronics and Applications (EPE 2016), Karlsruhe, Germany, 5 - 09 September 2016
- XVIII. **Interline Hybrid Unified Power Quality Conditioner**
SAVRUN M. M., KÖROĞLU T., TAN A., CUMA M. U., BAYINDIR K. Ç., TÜMAY M.
18th European Conference on Power Electronics and Applications (EPE 2016), Karlsruhe, Germany, 5 - 09 September 2016

September 2016

- XIX. Design and Implementation of Full Bridge Bidirectional Isolated DC-DC Converter for High Power Applications**
KÖROĞLU T., SAVRUN M. M., TAN A., CUMA M. U., BAYINDIR K. Ç., TÜMAY M.
18th European Conference on Power Electronics and Applications (EPE), Germany, 5 - 09 September 2016
- XX. A New Method to Estimate the Range of Electric Vehicles Without Using Exact Motor Parameters**
SAVRUN M. M., CUMA M. U.
10th Conference on Sustainable Development of Energy, Water and Environment Systems, Dubrovnik, Croatia, 27 September - 04 October 2015, vol.2015-0726, pp.1-7
- XXI. 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
- XXII. 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
- XXIII. 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.
IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems, 2015, Aachen, Germany, 22 - 25 June 2015, pp.391-398
- XXIV. 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
- XXV. 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
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IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems, 2015, Aachen, Germany, 22 - 25 June 2015, pp.391-398
- XXVII. 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.
IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems, 2015, Aachen, Germany, 22 - 25 June 2015, pp.391-398
- XXVIII. A Novel Low Cost Sag/Swell Generator**
İNCİ M., DEMİRDELEN T., TAN A., KÖROĞLU T., CUMA M. U., BAYINDIR K. Ç., TÜMAY M.
IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems - PEDG 2015, Aachen, Germany, 22 - 25 June 2015, pp.239-242
- XXIX. 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
- XXX. 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

- XXXI. **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.
IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems - PEDG 2015, Aachen, Germany, 22 - 25 June 2015, pp.111-116
- XXXII. **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
- XXXIII. **Sensitive Measurement of Coating Thickness on Galvanized Line by using Eddy Currents**
MUTLUER L., ÖZEL H., ÖZKAYA Y. F., CUMA M. U.
Second International Iron and Steel Symposium (IISS'15), 1 - 03 April 2015, pp.253-257
- XXXIV. **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.
IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), Aachen, Germany, 22 - 25 June 2015, pp.111-116
- XXXV. **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.
IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), Aachen, Germany, 22 - 25 June 2015, pp.391-398
- XXXVI. **A Novel Low Cost Sag/Swell Generator**
İNCİ M., DEMİRDELEN T., TAN A., KÖROĞLU T., CUMA M. U., BAYINDIR K. Ç., TÜMAY M.
IEEE 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG), Aachen, Germany, 22 - 25 June 2015, pp.239-242
- XXXVII. **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
- XXXVIII. **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
- XXXIX. **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
- XL. **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

Supported Projects

TÜMAY M., CUMA M. U., DEMİRDELEN T., Project Supported by Higher Education Institutions, ELEKTRİK ELEKTRONİK MÜHENDİSLİĞİ BÖLÜMÜ ELEKTRİK MAKİNELERİ VE GÜÇ ELEKTRONİĞİ EĞİTİM SETLERİ ALT YAPI PROJESİ, 2017 - 2018

TÜMAY M., CUMA M. U., DEMİRDELEN T., BAL S., Project Supported by Higher Education Institutions, Smart Transformers for Integration of Renewable Energy Sources, 2017 - 2017

CUMA M. U., KÖROĞLU T., Project Supported by Higher Education Institutions, Yeni ve Hızlı Gerilim ÇukuruTepesi Tespit Eden Kontrolcülü Dinamik Gerilim İyileştiricinin Güç Devresi Tasarımı, 2015 - 2016

CUMA M. U., KÖROĞLU T., SAVRUN M. M., Project Supported by Higher Education Institutions, DA-DA Dönüştürücülü Melez Birleştirilmiş Güç Kalitesi Düzenleyicisinin Tasarımı ve Gerçekleştirilmesi, 2015 - 2016

CUMA M. U., TUBITAK Project, MİKROMOTOR KONTROL ÜNİTESİ TASARIMI VE PROTOTİP İMALATI, 2008 - 2009

Peer Reviews in Scientific Publications

Applied Energy, National Scientific Refreed Journal, January 2017

Metrics

Publication: 65

Citation (WoS): 321

Citation (Scopus): 365

H-Index (WoS): 6

H-Index (Scopus): 6

Scholarships

Özel Güç Parkının Modellenmesi, TUBITAK, 2006 - 2010

Non Academic Experience

Other Public Institution, Kosgeb Adana İl Müdürlüğü

3. KOR. MU. ALAY KOMUTANLIĞI, Muhabere Asteğmen

Platon Bilişim Akademik Ltd.Şti., Eğitimci