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Education Information

Doctorate, University of Strathclyde, Electronic & Electrical Engineering, United Kingdom 1991 - 1995

Post Graduate, Gaziantep University, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 1988 - 1991

Under Graduate, Middle East Technical University, Elektrik-Elektronik Mühendisliği Fakültesi, Turkey 1983 - 1988

Foreign Languages

English, C1 Advanced

Dissertations

Post Graduate, Simulation of unified power flow controller by using modified power injection model, Gaziantep University, Mühendislik-Mimarlık Fakültesi, Elektrik-Elektronik Mühendisliği, 1991

Research Areas

Electrical and Electronics Engineering, Energy, Power Electronics, Engineering and Technology

Academic Titles / Tasks

Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği, 2006 - Continues

Associate Professor, Cukurova University, Mühendislik Mimarlık Fakültesi, Elektrik Elektronik Mühendisliği, 2000 - 2006

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Performance evaluation of phase-shifting transformer for integration of renewable energy sources**
Sakallioğlu B., Esenboga B., DEMİRDELEN T., TÜMAY M.
ELECTRICAL ENGINEERING, vol.102, pp.2025-2039, 2020 (Journal Indexed in SCI)
- II. **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, pp.920-926, 2020 (Journal Indexed in SCI)
- III. **Improved instantaneous power theory based current harmonic extraction for unbalanced electrical grid conditions**
BÜYÜK M., İnci M., TAN A., TÜMAY M.
ELECTRIC POWER SYSTEMS RESEARCH, vol.177, 2019 (Journal Indexed in SCI)

- IV. **Improved adaptive notch filter-based active damping method for shunt active power filter with LCL-filter**
BÜYÜK M., TAN A., Tumay M.
ELECTRICAL ENGINEERING, vol.100, pp.2037-2049, 2018 (Journal Indexed in SCI)
- V. **A review of magnetically controlled shunt reactor for power quality improvement with renewable energy applications**
Tumay M., DEMİRDELEN T., Bal S., KAYAALP R. İ. , DOĞRU B., AKSOY M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.77, pp.215-228, 2017 (Journal Indexed in SCI)
- VI. **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, pp.945-956, 2017 (Journal Indexed in SCI)
- VII. **PERFORMANCE COMPARISON OF VOLTAGE SAG/SWELL DETECTION METHODS IMPLEMENTED IN CUSTOM POWER DEVICES**
BÜYÜK M., Inci M., TÜMAY M.
REVUE ROUMAINE DES SCIENCES TECHNIQUES-SERIE ELECTROTECHNIQUE ET ENERGETIQUE, vol.62, pp.129-133, 2017 (Journal Indexed in SCI)
- VIII. **The performance improvement of dynamic voltage restorer based on bidirectional dc-dc converter**
Inci M., BAYINDIR K. Ç. , TÜMAY M.
ELECTRICAL ENGINEERING, vol.99, pp.285-300, 2017 (Journal Indexed in SCI)
- IX. **Simulation modelling and analysis of modular cascaded multilevel converter based shunt hybrid active power filter for large scale photovoltaic system interconnection**
DEMİRDELEN T., KAYAALP R. İ. , TÜMAY M.
SIMULATION MODELLING PRACTICE AND THEORY, vol.71, pp.27-44, 2017 (Journal Indexed in SCI)
- X. **Performance analysis of multiconverter unified power quality conditioner with an EPLL-based controller at medium voltage level**
KOROGLU T., BAYINDIR K. Ç. , TÜMAY M.
INTERNATIONAL TRANSACTIONS ON ELECTRICAL ENERGY SYSTEMS, vol.26, pp.2774-2786, 2016 (Journal Indexed in SCI)
- XI. **Improved Synchronous Reference Frame based controller method for multifunctional compensation**
Inci M., BAYINDIR K. Ç. , TÜMAY M.
ELECTRIC POWER SYSTEMS RESEARCH, vol.141, pp.500-509, 2016 (Journal Indexed in SCI)
- XII. **Topologies, generalized designs, passive and active damping methods of switching ripple filters for voltage source inverter: A comprehensive review**
BÜYÜK M., TAN A., TÜMAY M., BAYINDIR K. Ç.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.62, pp.46-69, 2016 (Journal Indexed in SCI)
- XIII. **A novel method improvement for detection of voltage problems in dynamic voltage restorers**
Inci M., BAYINDIR K. Ç. , TÜMAY M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.31, pp.997-1006, 2016 (Journal Indexed in SCI)
- XIV. **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, pp.385-395, 2014 (Journal Indexed in SCI)
- XV. **Artificial neural network-based discrete-fuzzy logic controlled active power filter**
SARIBULUT L., TEKE A., TÜMAY M.
IET POWER ELECTRONICS, vol.7, pp.1536-1546, 2014 (Journal Indexed in SCI)
- XVI. **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, pp.304-312, 2013 (Journal Indexed in SCI)
- XVII. **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, pp.254-264, 2013 (Journal Indexed in SCI)
- XVIII. **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, pp.38-54, 2013 (Journal Indexed in SCI)
- XIX. **Computer simulation and experimental implementation of a PIC-controlled hybrid multilevel inverter for undergraduate laboratories**
Saribulut L., TEKE A., Meral M. E. , TÜMAY M.
COMPUTER APPLICATIONS IN ENGINEERING EDUCATION, vol.20, pp.445-453, 2012 (Journal Indexed in SCI)
- XX. **Vector-based reference location estimating for space vector modulation technique**
Saribulut L., TEKE A., TÜMAY M.
ELECTRIC POWER SYSTEMS RESEARCH, vol.86, pp.51-60, 2012 (Journal Indexed in SCI)
- XXI. **Implementation of fuzzy logic controller using FORTRAN language in PSCAD/EMTDC**
TEKE A., Meral M. E. , SARIBULUT L., TÜMAY M.
INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION, vol.48, pp.372-390, 2011 (Journal Indexed in SCI)
- XXII. **A Novel Reference Signal Generation Method for Power-Quality Improvement of Unified Power-Quality Conditioner**
TEKE A., SARIBULUT L., TÜMAY M.
IEEE TRANSACTIONS ON POWER DELIVERY, vol.26, pp.2205-2214, 2011 (Journal Indexed in SCI)
- XXIII. **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, pp.561-571, 2011 (Journal Indexed in SCI)
- XXIV. **Dynamic control of unified power flow controller under unbalanced network conditions**
SARIBULUT L., TEKE A., TÜMAY M.
SIMULATION MODELLING PRACTICE AND THEORY, vol.19, pp.817-836, 2011 (Journal Indexed in SCI)
- XXV. **Robust space vector modulation technique for unbalance voltage disturbances**
Saribulut L., TÜMAY M.
ELECTRIC POWER SYSTEMS RESEARCH, vol.80, pp.1364-1374, 2010 (Journal Indexed in SCI)
- XXVI. **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, pp.1-12, 2010 (Journal Indexed in SCI)
- XXVII. **Power quality improvement with an extended custom power park**
MERAL M., TEKE A., BAYINDIR K. Ç. , TÜMAY M.
ELECTRIC POWER SYSTEMS RESEARCH, vol.79, pp.1553-1560, 2009 (Journal Indexed in SCI)
- XXVIII. **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)
- XXIX. **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 (Journal Indexed in SCI)
- XXX. **A novel approach to active power filter control**
PALANDOKEN M., Tumay M., Aksoy M.
ELECTRICAL ENGINEERING, vol.87, pp.33-39, 2005 (Journal Indexed in SCI)
- XXXI. **Application of fuzzy logic controller to active power filters**
PALANDOKEN M., Aksoy M., Tumay M.
ELECTRICAL ENGINEERING, vol.86, pp.191-198, 2004 (Journal Indexed in SCI)
- XXXII. **A fuzzy-controlled single-phase active power filter operating with fixed switching frequency for reactive power and current harmonics compensation**
PALANDOKEN M., Aksoy M., Tumay M.
ELECTRICAL ENGINEERING, vol.86, pp.9-16, 2003 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Widespread Artificial Neural Network (ANN) Structures for Current Harmonics Extraction**
BÜYÜK M., İNCİ M., İBRİKÇİ T., TÜMAY M.
Journal of Electrical Engineering, vol.18, pp.363-368, 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, pp.174-187, 2018 (Journal Indexed in ESCI)
- III. **MULTIPURPOSE COMPENSATION SCHEME FOR VOLTAGE SAG/SWELL AND SELECTIVE HARMONICS ELIMINATION IN DISTRIBUTION SYSTEMS**
Inci M., BÜYÜK M., TAN A., Bayindir K. C. , TÜMAY M.
ADVANCES IN ELECTRICAL AND ELECTRONIC ENGINEERING, vol.16, pp.71-80, 2018 (Journal Indexed in ESCI)
- IV. **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, pp.68-73, 2016 (International Refereed University Journal)
- V. **Modeling and Analysis of a Multilevel Parallel Hybrid Active Power Filter**
DEMİRDELEN T., KAYAALP R. İ. , TÜMAY M.
ENGINEERING TECHNOLOGY & APPLIED SCIENCE RESEARCH, vol.6, pp.976-981, 2016 (Journal Indexed in ESCI)
- VI. **Fuzzy Logic Controlled DC-DC Converter Based Dynamic Voltage Restorer**
Inci M., DEMİRDELEN T., TÜMAY M.
JOURNAL OF ELECTRICAL SYSTEMS, vol.11, pp.367-375, 2015 (Journal Indexed in ESCI)
- VII. **Performance Analysis of Closed Loop and Open Loop Control Methods in Dynamic Voltage Restorer**
İNCİ M., DEMİRDELEN T., TÜMAY M.
International Journal of Engineering Research, vol.11, no.4, pp.582-585, 2015 (Refereed Journals of Other Institutions)
- VIII. **Güneş Paneli Sistemlerinin Tasarımı**
KÖROĞLU T., TEKE A., Bayındır K. Ç. , TÜMAY M.
Elektrik Mühendisliği Dergisi, pp.98-104, 2010 (Other Refereed National Journals)
- IX. **Modelling of Power System Protection Signalling**
EKER İ., TÜMAY M., Erçelebi E.
Journal of Applied Sciences, vol.4, pp.502-517, 2002 (Refereed Journals of Other Institutions)
- X. **Sedimentation process in a water treatment system**
EKER İ., TÜMAY M., Göğüş F.
Pakistan Journal of Applied Sciences, vol.2, pp.694-697, 2002 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Capacitor Current Feedback Active Damping for Shunt Active Power Filter with Output LLCL Filter**
BÜYÜK M., Inci M., TAN A., Tumay M.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.376-379
- II. **A Notch Filter based Active Damping of LLCL Filter in Shunt Active Power Filter**
BÜYÜK M., TAN A., Inci M., TÜMAY M.
19th International Symposium on Power Electronics (Ee), Novi-Sad, Serbia And Montenegro, 19 - 21 October 2017
- III. **A Fuzzy Neural Network Approach to Estimate PMSG based and DFIG based Wind Turbines' Power Generation**
Demirdelen T., Bakmaz E., TÜMAY M.
7th International Conference on Innovative Computing Technology (INTECH), Luton, United Kingdom, 16 - 18 August 2017, pp.101-106

- IV. **EPLL based Controller for Voltage Harmonic Mitigation in Grid Connected Wind Systems**
Inci M., BÜYÜK M., BAYINDIR K. Ç. , TÜMAY M.
4th International Conference on Control, Decision and Information Technologies (CoDIT), Barcelona, Spain, 5 - 07 April 2017, pp.1157-1161
- V. **Survey of Inverter Topologies Implemented in Dynamic Voltage Restorers**
Inci M., BÜYÜK M., TAN A., BAYINDIR K. Ç. , TÜMAY M.
4th International Conference on Control, Decision and Information Technologies (CoDIT), Barcelona, Spain, 5 - 07 April 2017, pp.1141-1146
- VI. **MVT Controlled Voltage Restorer for Fault-Ride Through Capability**
Inci M., BÜYÜK M., TAN A., BAYINDIR K. Ç. , Tumay M.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.380-385
- VII. **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
- VIII. **Modified SPWM to reduce switching losses in Standby UPS Systems for Sustainable Energy**
İNCİ M., BÜYÜK M., TÜMAY M.
International Conference on Sustainable Development 2016, Skopje, Macedonia, 19 - 23 October 2016, pp.11-17
- IX. **Improved SRF to Extract Harmonics in Active Power Filters for Single Phase Systems**
İNCİ M., BÜYÜK M., TÜMAY M.
International Conference on Sustainable Development 2016, Skopje, Macedonia, 19 - 23 October 2016, pp.30-34
- X. **A Comprehensive Review of Power Quality Problems and Solution Techniques in Grid Connected Wind Systems**
İNCİ M., BÜYÜK M., TÜMAY M.
International Conference on Sustainable Development 2016, Skopje, Macedonia, 19 - 23 October 2016, pp.18-23
- XI. **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
- XII. **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
- XIII. **A novel fuzzy logic control for bidirectional DC-DC converter and comparison with dual phase-shift control method in medium voltage applications**
KAYAALP R. İ. , DEMİRDELEN T., TÜMAY M.
2016 IEEE International Conference on Computational Intelligence and Virtual Environments for Measurement Systems and Applications, CIVEMSA 2016, Budapest, Hungary, 27 - 29 July 2016
- XIV. **A Novel Control Scheme for Dynamic Reactive Power Compensation Multilevel Inverter Based Shunt Hybrid Active Power Filter**
DEMİRDELEN T., TÜMAY M.
IEEE 2016 UKSim-AMSS 18th International Conference on Computer Modelling and Simulation, Cambridge, United Kingdom, 6 - 08 April 2016, pp.217-223
- XV. **A Novel Control Scheme for Dynamic Reactive Power Compensation Multilevel Inverter Based Shunt Hybrid Active Power Filter**
DEMİRDELEN T., TÜMAY M.
IEEE 2016 UKSim-AMSS 18th International Conference on Computer Modelling and Simulation, Cambridge, United Kingdom, 6 - 08 April 2016, pp.217-223
- XVI. **A Power Rating and Application Survey of Magnetically Controlled Shunt Reactor**
TÜMAY M., DEMİRDELEN T., BAL S., KAYAALP R. İ. , Dogru B., Aksoy M.

10th UKSim-AMSS European Modelling Symposium on Computer Modelling and Simulation (EMS), Pisa, Italy, 28 - 30 November 2016, pp.111-116

- XVII. **PSO - PI Based DC Link Voltage Control Technique for Shunt Hybrid Active Power Filter**
DEMİRDELEN T., KAYAALP R. İ. , TÜMAY M.
2nd International Conference on Systems Informatics, Modelling and Simulation (SIMS), Riga, Latvia, 1 - 03 June 2016, pp.97-102
- XVIII. **Review of The Control Strategies Applied to Magnetically Controlled Shunt Reactor**
TÜMAY M., DEMİRDELEN T., BAL S., KAYAALP R. İ. , Dogru B., Aksoy M.
National Conference on Electrical, Electronics and Biomedical Engineering (ELECO), Bursa, Turkey, 1 - 03 December 2016, pp.96-100
- 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. **Performance Evaluation of LLCL Filter for Active Power Filter**
BÜYÜK M., İnci M., TÜMAY M.
IEEE 16th International Conference on Environment and Electrical Engineering (EEEIC), Florence, Italy, 6 - 10 June 2016
- XXI. **A Novel Control Scheme for Dynamic Reactive Power Compensation Multilevel Inverter Based Shunt Hybrid Active Power Filter**
DEMİRDELEN T., TÜMAY M.
18th UKSim-AMSS International Conference on Computer Modelling and Simulation (UKSim), Cambridge, Canada, 6 - 08 April 2016, pp.217-223
- XXII. **Adaptive Input Voltage Prediction Method Based on ANN for Bidirectional DC-DC Converter**
KAYAALP R. İ. , DEMİRDELEN T., TÜMAY M.
2nd International Conference on Systems Informatics, Modelling and Simulation (SIMS), Riga, Latvia, 1 - 03 June 2016, pp.35-40
- XXIII. **Performance Investigation of High Level Modular Multilevel Inverter based Shunt Hybrid Active Power Filter**
DEMİRDELEN T., KAYAALP R. İ. , TÜMAY M.
International Symposium on Fundamentals of Electrical Engineering (ISFEE), Romania, 30 June - 02 July 2016
- XXIV. **FFT based Reference Signal Generation to Compensate Simultaneous Voltage Sag/Swell and Voltage Harmonics**
İnci M., BÜYÜK M., TÜMAY M.
IEEE 16th International Conference on Environment and Electrical Engineering (EEEIC), Florence, Italy, 6 - 10 June 2016
- XXV. **Biyokütle ve Katı Atıkların Yakıt Olarak Kullanıldığı Gaz Motorlu Kojenerasyon Santralleri ile Yenilenebilir Enerji Üretimi**
ZOR K., TEKE A., TÜMAY M.
VIII. Yenilenebilir Enerji Kaynakları Sempozyumu (YEKSEM 2015), Adana, Turkey, 15 - 16 October 2015, vol.2015/610, pp.91-95
- XXVI. **A New Control Approach for Shunt Hybrid Active Power Filter to Compensate Harmonics and Dynamic Reactive Power with Grid Interconnection**
DEMİRDELEN T., İNCİ M., TÜMAY M.
A New Control Approach for Shunt Hybrid Active Power Filter to Compensate Harmonics and Dynamic Reactive Power with Grid Interconnection, Madrid, Spain, 6 - 08 October 2015, pp.247-253
- XXVII. **The Analysis and Performance Results of Bidirectional DC-DC Converter Based Dynamic Voltage Restorer under Voltage Sag/Swell Conditions**
İNCİ M., DEMİRDELEN T., TÜMAY M.
UKSim-AMSS 9th European Modelling Symposium on Mathematical Modelling and Computer Simulation, Madrid, Spain, 6 - 08 October 2015, pp.254-259

- XXVIII. **Analysis and Comparison of Passive Damping Methods for Shunt Active Power Filter with Output LCL Filter**
BÜYÜK M., TAN A., BAYINDIR K. Ç. , TÜMAY M.
IEEE International Conference ACEMP_OPTIM-ELECTROMOTION 2015 Side Turkey, Antalya, Turkey, 2 - 04 September 2015, pp.434-440
- XXIX. **Analysis and Comparison of Passive Damping Methods for Shunt Active Power Filter with Output LCL Filter**
BÜYÜK M., TAN A., BAYINDIR K. Ç. , TÜMAY M.
2015 International Aegean Conference on Electrical Machines and Power Electronics and 2015 Electromotion Joint Conference - ACEMP 2015, Antalya, Turkey, 2 - 04 September 2015, pp.434-440
- XXX. **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
- XXXI. **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
- XXXII. **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
- XXXIII. **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
- XXXIV. **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
- 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, 2015, Aachen, Germany, 22 - 25 June 2015, pp.391-398
- XXXVI. **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
- XXXVII. **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
- XXXVIII. **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
- XXXIX. **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

- XL. **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
- XLII. **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
- XLIII. **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
- XLIV. **A New Control Approach for Shunt Hybrid Active Power Filter to Compensate Harmonics and Dynamic Reactive Power with Grid Interconnection**
DEMİRDELEN T., İnci M., TÜMAY M.
UKSim-AMSS 9th IEEE European Modelling Symposium on Computer Modelling and Simulation (EMS), Madrid, Spain, 6 - 08 October 2015, pp.247-253
- XLV. **Performance Evaluation of a New Hybrid Unified Power Quality Conditioner (HUPQC)**
KÖROĞLU T., CUMA M. U. , TAN A., İnci 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
- XLVI. **The Analysis and Performance Results of Bidirectional DC-DC Converter Based Dynamic Voltage Restorer under Voltage Sag/Swell Conditions**
İnci M., DEMİRDELEN T., BAYINDIR K. Ç. , TÜMAY M.
UKSim-AMSS 9th IEEE European Modelling Symposium on Computer Modelling and Simulation (EMS), Madrid, Spain, 6 - 08 October 2015, pp.254-259
- XLVII. **ANALYSIS AND COMPARISON OF PASSIVE DAMPING METHODS FOR SHUNT ACTIVE POWER FILTER WITH OUTPUT LCL FILTER**
BÜYÜK M., TAN A., BAYINDIR K. Ç. , TÜMAY M.
Int Aegean Conference on Electrical Machines and Power Electronics (ACEMP) / Int Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Int Symposium on Advanced Electromechanical Motion Systems (ELECTROMOTION), Side, Turkey, 2 - 04 September 2015, pp.434-440
- XLVIII. **A Novel Low Cost Sag/Swell Generator**
İnci 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
- XLIX. **Modeling and analysis of a nonlinear adaptive filter control for interline unified power quality conditioner**
Köroğlu T., İnci M., Çağatay Bayindir K., TÜMAY M.
2013 4th International Conference on Power Engineering, Energy and Electrical Drives, POWERENG 2013, İstanbul, Turkey, 13 - 17 May 2013, pp.603-608
- L. **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
- L. **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

- LI. **Şebekeye Bağlı Sistemler için Üç Faz ve Tek Faz PLL'lerin Performans Değerlendirmesi**
DEMİRDELEN T., TAN A., İNCİ M., KÖROĞLU T., Büyük M., Terciyanlı A., Bayındır K. Ç. , TÜMAY M.
5. Enerji Verimliliği Ve Kalitesi Sempozyumu 2013, Kocaeli, Turkey, 23 - 24 May 2013, pp.5-9
- LII. **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
- LIII. **Modeling and Analysis of a Nonlinear Adaptive Filter Control for Interline Unified Power Quality Conditioner**
KÖROĞLU T., İNCİ M., Bayındır K. Ç. , TÜMAY M.
IV. International Conference on Power Engineering, Energy and Electrical Drives (POWERENG'2013), İstanbul, Turkey, 13 - 17 May 2013, pp.603-608
- LIV. **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
- LV. **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
- LVI. **RF Haberleşme Tabanlı Su Deposu Otomasyon Sistemi**
TEKE A., ÖZBARUT A., TAN A., TÜMAY M.
IV. İletişim Teknolojileri Ulusal Sempozyumu, İTÜSEM 2009, Adana, Turkey, 15 - 16 October 2009, pp.119-124
- LVII. **RF Haberleşme Tabanlı Su Deposu Otomasyon Sistemi**
TEKE A., ÖZBARUT A., TAN A., TÜMAY M.
IV. İletişim Teknolojileri Ulusal Sempozyumu, İTÜSEM 2009, Adana, Turkey, 15 - 16 October 2009, pp.119-124
- LVIII. **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
- LIX. **Simulation Study of Fuzzy Based Unified Power Flow Controller on Power Flow Controlling**
Saribulut L., TÜMAY M.
Workshop on Power Electronics and Intelligent Transportation System, Guangzhou, China, 4 - 05 August 2008, pp.411-415
- LX. **Overview of an Extended Custom Power Park**
MERAL M., TEKE A., TÜMAY M.
2nd International Power and Energy Conference (PECon 2008), Johor-Bahru, Malaysia, 1 - 03 December 2008, pp.1364-1368

Supported Projects

TAN A., İNCİ M., BÜYÜK M., TÜMAY M., Project Supported by Higher Education Institutions, Survey of Inverter Topologies Implemented in Dynamic Voltage Restorers, 2017 - 2017

TÜMAY M., TUBITAK Project, DA-DA Yükseltici Dönüştürücülü Melez Birleştirilmiş Güç Kalitesi Düzenleyicisinin Tasarımı ve Gerçekleştirilmesi, 2013 - 2016

TÜMAY M., TUBITAK Project, Transformatör uzaktan izleme ve takip sistemi tasarımı, geliştirilmesi ve testleri, 2013 - 2016

Citations

Total Citations (WOS):388

h-index (WOS):10