

Assoc. Prof. Murat Yılmaz

Personal Information

Office Phone: [+90 212 285 6769](tel:+902122856769)

Fax Phone: [+90 212 285 6700](tel:+902122856700)

Email: myilmaz@itu.edu.tr

Web: <http://www.akademi.itu.edu.tr/myilmaz/>

Address: İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 34469, Maslak-İstanbul

Education Information

Post Doctorate, University Of Illinois At Urbana-Champaign, Electrical And Computer Engineering, Electrical Engineering, United States Of America 2011 - 2012

Post Doctorate, University Of Illinois At Urbana-Champaign, Electrical And Computer Engineering, Electrical Engineering, United States Of America 2007 - 2008

Doctorate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, Turkey 1999 - 2006

Postgraduate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, Turkey 1996 - 1999

Undergraduate, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, Turkey 1991 - 1995

Foreign Languages

English

Dissertations

Doctorate, Fırçasız doğru akım motorunun algılayıcısız kontrolünde dalgacık tekniğinin uygulanması, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 2006

Postgraduate, Ünliversal motorun benzetişim ve tasarımı, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 1999

Research Areas

Technical Sciences, Electrical and Electronics Engineering, Power Electronics, Electrical Machine Theory and Design, Electric Motor Drivers, Power Converters

Academic Titles / Tasks

Associate Professor, İstanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, 2020 - Continues

Assistant Professor, İstanbul Technical University, Elektrik-Elektronik, Elektrik Mühendisliği, 2018 - 2020

Assistant Professor, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 2014 - 2018

Research Assistant, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 1999 - 2014

Academic and Administrative Experience

Vice Dean, Istanbul Technical University, 2020 - Continues

Deputy Head of Department, Istanbul Technical University, Elektrik Mühendisliği Bölümü, 2015 - 2020

Advising Theses

Yılmaz M., Elektrikli araçlar için kablosuz şarj sistemi tasarımı ve optimizasyonu, Postgraduate, B.ÖZBEY(Student), 2020

Yılmaz M., Çamaşır makinası uygulamasında gan yarı iletkenanahtarlar ile yüksek güç yoğunluklu ve verimli virici tasarımı, Postgraduate, T.YAZICI(Student), 2019

Yılmaz M., Design and implementation of sensorless vector controlled drive for PMSMs, Postgraduate, B.GÖRDÜK(Student), 2019

Yılmaz M., Hibrit elektrikli bir kamyon için bulanık mantık tabanlı enerji yönetim sistemi algoritmalarının geliştirilmesi, Postgraduate, H.SÖLEK(Student), 2019

Yılmaz M., A novel method to estimate state of charge of li-based batteries, Postgraduate, E.İPEK(Student), 2019

Yılmaz M., Cost optimization of flyback converter using genetic algorithm, Postgraduate, G.BALCI(Student), 2019

Yılmaz M., Digitally controlled buck converters for current regulated applications, Doctorate, A.UĞUR(Student), 2019

Yılmaz M., SÜREKLİ MIKNATISLI SENKRON MOTORUN FPGA İLE KONUM TAHMİN YÖNTEMİ İLE ALAN YÖNLENDİRMELİ KONTROLLÜ SÜRÜCÜ TASARIMI VE GERÇEKLENMESİ, Postgraduate, A.YILDIZ(Student), 2019

Yılmaz M., Elektrikli araç tahrik sistemlerinde kullanılan SMSM'nin minimum kayıp kontrolü, Postgraduate, F.AYDOĞAN(Student), 2019

Yılmaz M., Elektrikli Araçlar için Gömülü Miknatıslı Senkron Motor Tasarım Metodolojisi ve Gerçeklenmesi, Postgraduate, H.Kurnaz(Student), 2018

Yılmaz M., Üç seviyeli NPC ara devreli DC/DC dönüştürücünün kontrolü ve MMA kaynak makinesi uygulaması, Postgraduate, M.SABRİYE(Student), 2017

Yılmaz M., ÜÇ SEVİYELİ NPC EVİRİCİ ARA DEVRELİ BİR DC / DC DÖNÜŞTÜRÜCÜNÜN KONTROLÜ VE MMA KAYNAK MAKİNESİ UYGULAMASI, Postgraduate, M.Selik(Student), 2016

Jury Memberships

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, October, 2018

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, September, 2018

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, July, 2018

Competition, TÜBİTAK, TÜBİTAK, June, 2018

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, June, 2018

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, June, 2018

Doctorate, Elektrik-Elektronik Mühendisliği Doktora Tez Savunması, Okan Üniveritesi, August, 2017

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, July, 2017

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, July, 2017

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, June, 2017

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, June, 2017

Doctorate, Elektrik-Elektronik Mühendisliği Doktora Tez Savunması, Bahçeşehir Üniversitesi, May, 2017

Post Graduate, Elektrik Mühendisliği Yüksek Lisans Tez Savunması, İstanbul Teknik Üniversitesi, June, 2016

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

1. Design procedure and implementation of a high-efficiency PMSM with reduced magnet-mass and torque-ripple for electric vehicles

Araz H. K. , Yilmaz M.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.2, pp.1089-1109, 2020 (Journal Indexed in SCI)

- II. **Asymmetric slope compensation for digital hybrid current mode control of a three-level flying capacitor buck converter**
Ugur A., Yilmaz M.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.4, pp.2345-2359, 2020 (Journal Indexed in SCI)
- III. **Digital hybrid current mode control for DC-DC converters**
Ugur A., Yilmaz M.
IET POWER ELECTRONICS, vol.12, no.4, pp.891-898, 2019 (Journal Indexed in SCI)
- IV. **Comprehensive design and analysis of a PMSynRM for washing machine applications**
Tap A., Xheladini L., Yilmaz M., İmeryüz M., Asan T., Ergene L.
IET ELECTRIC POWER APPLICATIONS, vol.12, no.9, pp.1311-1319, 2018 (Journal Indexed in SCI)
- V. **Limitations/capabilities of electric machine technologies and modeling approaches for electric motor design and analysis in plug-in electric vehicle applications**
Yilmaz M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.52, pp.80-99, 2015 (Journal Indexed in SCI)
- VI. **Review of the Impact of Vehicle-to-Grid Technologies on Distribution Systems and Utility Interfaces**
Yilmaz M., KREIN P. T.
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.28, no.12, pp.5673-5689, 2013 (Journal Indexed in SCI)
- VII. **Extended Kalman filter application for high-noise cancelation in control telemetry channels of oil electric submersible pump**
Ali-Zade P., HAJIYEV C., Hajiyeva U., YILMAZ M.
JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, vol.110, pp.109-118, 2013 (Journal Indexed in SCI)
- VIII. **Review of Battery Charger Topologies, Charging Power Levels, and Infrastructure for Plug-In Electric and Hybrid Vehicles**
Yilmaz M., KREIN P. T.
IEEE TRANSACTIONS ON POWER ELECTRONICS, vol.28, no.5, pp.2151-2169, 2013 (Journal Indexed in SCI)
- IX. **Sensorless Control of Brushless DC Motor Based on Wavelet Theory**
Yilmaz M., TUNCAY R. N. , USTUN Ö., KREIN T. P.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.37, no.10, pp.1063-1080, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Sürekli Mıknatıs Destekli Senkron Relüktans Motorlarda Mıknatıs Yerleşiminin Performansa Etkisi**
Yilmaz M.
EMO Bilimsel Dergi, vol.8, no.15, pp.11-15, 2018 (Other Refereed National Journals)
- II. **A GaN-Based Synchronous Buck Converter for High Power Laser Diode Drive Applications**
Yilmaz M., Uğur A.
BALKAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING, vol.6, no.32, pp.62-68, 2018 (Refereed Journals of Other Institutions)
- III. **Design and Optimization of a High Power Density and Efficiency Boost PFC**
Fincan B., YILMAZ M., GÖYNÜŞEN A., ERENAY H. K.
BALKAN JOURNAL OF ELECTRICAL COMPUTER ENGINEERING, vol.5, pp.50-59, 2017 (Refereed Journals of Other Institutions)
- IV. **Fırçasız Doğru Akım Motorunun Algılayıcısız Kontrolünde Dalgacık Tekniğinin Uygulanması**
YILMAZ M., TUNCAY R. N. , ÜSTÜN Ö.
İstanbul Teknik Üniversitesi Dergisi/d, pp.73-84, 2006 (Other Refereed National Journals)

Books & Book Chapters

- I. **Intelligent Vehicles and Grid Interaction, Infrastructure, Systems, Operations, and Scenarios, Conclusions**
YILMAZ M., PHİLİP T K., XIANG C., XIAOYA H., IQBAL H., KOİCHİ I., RUSSELL L., YAOYU L., HİROAKİ N., JOACHİM T., et al.
in: Smart Grid Research Vehicular IEEE Smart Grid Vision for Vehicular Technology 2030 and Beyond, , Editor, IEEE SA, New-York, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **Digital Hybrid Current Mode Control with Asymmetric Slope Compensation for Three-Level Flying Capacitor Buck Converter**
Yılmaz M.
Aegean Conference on Electrical Machines and Power Electronics - ACEMP OPTIM 2019, İstanbul, Turkey, 27 - 29 August 2019, pp.1-6
- II. **Thermal and Mechanical Analysis of PM Assisted Synchronous Reluctance Motor for Washing Machines**
LİRİDON X., TAP A., İMERYÜZ M., AŞAN T., YILMAZ M., ERGENE L.
ELECO 2017 10th International Conference on Electrical and Electronics Engineering, 30 November - 02 December 2017
- III. **Effects of the rotor design parameters on the torque production of a PMSynRM for washing machine applications**
Tap A., Xheladini L., Aşan T., İmeryüz M., Yılmaz M., Ergene L.
International Conference on Optimization of Electrical and Electronic Equipment (OPTIM) / Intl Aegean Conference on Electrical Machines and Power Electronics (ACEMP), Brasov, Romania, 25 - 27 May 2017, pp.370-375
- IV. **Sürekli Mıknatıslı Senkron Motorun Endüklenen Gerilim Tabanlı Gözleyici ile Algılayıcısız Hız Kontrolü**
Nak H., Gülbahçe M. O. , Yılmaz M., Ergenç A. F. , Gökaşan M., Çalışkan F.
2015 Türkiye Otomatik Kontrol Ulusal Toplantısı, Denizli, Turkey, 10 - 12 September 2015, pp.716-721
- V. **Modeling Simulation and Study by Oil Industry Computer Asisted Laboratory Mechatronic Systems**
ÜSTÜN Ö., YILMAZ M., PARVİZ A., TUNCAY R. N. , MAMEDOV H.
Int. Conference on Education in Mechatronics, Ostrava, Czech Republic, 24 September 2013
- VI. **The Search for Adaptive Methods Filtering Out High Noises and Their Application on Oil Complexes Control Telemetry Systems**
YILMAZ M., ÜSTÜN Ö., PARVİZ A., TUNCAY R. N.
IEEE International Electric Machines and Drives Conference, IEMDC 2013, Chicago, United States Of America, 12 - 15 May 2013
- VII. **Review of Benefits and Challenges of Vehicle to Grid Technology**
YILMAZ M., PHİLİP T K.
IEEE Energy Conversion Congress and Exposition (ECCE 2012), North-Carolina, United States Of America, 15 - 20 September 2012
- VIII. **Review of Integrated Charging Methods for Plug In Vehicles**
YILMAZ M., PHİLİP T K.
IEEE International Conference on Vehicular Electronics and Safety (ICVES'12), İstanbul, Turkey, 24 - 27 July 2012
- IX. **General Design Requirements and Analysis of Roadbed Inductive Power Transfer System for Dynamic Electric Vehicle Charging**
YILMAZ M., TUTKU B., PHİLİP T K.
IEEE Transportation Electrification Conference and Expo (ITEC 2012), Michigan, United States Of America, 18 - 20 June 2012

- X. **Review of Charging Power Levels and Infrastructure for Plug In Electric and Hybrid Vehicles**
YILMAZ M., PHİLİP T K.
IEEE International Electric Vehicle Conference (IEVC 2012), South-Carolina, United States Of America, 4 - 08 March 2012
- XI. **Design and Implementation of an Electric Drive System for In Wheel Motor Electric Vehicle Applications**
TUNCAY R. N. , ÜSTÜN Ö., YILMAZ M., GÖKÇE C., UTKU K.
IEEE Vehicle Power and Propulsion Conference, VPPC 2011, Chicago, Chicago, United States Of America, 6 - 09 September 2011
- XII. **Car and renewable energy storage accumulators active life extension and minimization of hazardous waste eco impact**
ÜSTÜN Ö., YILMAZ M., PARVİZ A., TUNCAY R. N.
IEEE Vehicle Power and Propulsion Conference, VPPC 2010, Lille, France, 1 - 03 September 2010
- XIII. **Ağır Şehir İçi Trafik Koşulları İçin Motor Miline Entegre Dur Çalıştır Özellikli Hafif Hibrit Elektrikli Aracın Elektrikli Güç Aktarma Sisteminin Geliştirilmesi**
CAN G., UTKU K., YILMAZ M., ŞENGÖR A. M. C. , MERT Ç., ÜSTÜN Ö., TUNCAY R. N.
5. Otomotiv teknolojileri kongresi, Bursa, Turkey, 7 - 08 June 2010
- XIV. **Energy Management Method for Solar Race Car Design and Application**
ÜSTÜN Ö., YILMAZ M., GÖKÇE C., UTKU K., TUNCAY R. N.
IEEE International Electric Machines and Drives Conference, IEMDC 2009, Miami, United States Of America, 3 - 06 May 2009
- XV. **Design Optimisation of a Solar Race Car with Energy Management Approach**
TUNCAY R. N. , ÜSTÜN Ö., YILMAZ M., GÖKÇE C., UTKU K.
2nd International Conference on Automotive Technologies, ICAT 2008, İstanbul, Turkey, 13 - 14 November 2008
- XVI. **On the Feasibility of Using Large Scale Numerical Electric Machine Field Analysis Software in Complex Electric Drive System Design Tools**
TİMOTHY C O., PHİLİP T K., YILMAZ M., ANDY F.
Eleventh IEEE Workshop on Control and Modeling for Power Electronics (COMPEL'08), Zürich, Switzerland, 17 - 20 August 2008
- XVII. **Capabilities of Finite Element Analysis and Magnetic Equivalent Circuits for Electrical Machine Design**
YILMAZ M., PHİLİP T K.
IEEE 39th Power Electronics Specialists Conference, Rodos, Greece, 15 - 19 June 2008
- XVIII. **Energy Flow Modeling Method for Simulation of a Series Parallel Hybrid Electrical Vehicle**
TUNCAY R. N. , ÜSTÜN Ö., GÖKÇE C., YILMAZ M.
AUTOCOM Workshop on Hybrid Vehicle Modeling and Control, İstanbul, Turkey, 12 - 13 June 2007
- XIX. **Güneş Enerjili Yarış Aracının Elektrik Tasarım Ölçütlerinin Yol Performans Simülasyonunun ve Enerji Yönetim Sisteminin Geliştirilmesi**
TUNCAY R. N. , ÜSTÜN Ö., YILMAZ M., GÖKÇE C., ARDA T., UTKU K., KAAAN T., ŞAHİN A.
ELECO'06, Bursa, Turkey, 6 - 08 December 2006
- XX. **Modeling and Simulation of a Serial Parallel Hybrid Electrical Vehicle**
GÖKÇE C., ÜSTÜN Ö., YILMAZ M., TUNCAY R. N.
International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 8 - 10 December 2005
- XXI. **A Wavelet Study of Sensorless Control of Brushless DC Motor through Rapid Prototyping Approach**
YILMAZ M., TUNCAY R. N. , ÜSTÜN Ö.
IEEE International Conference on Mechatronics, İstanbul, Turkey, 3 - 05 June 2004
- XXII. **Rapid Control Prototyping Approach to Fuzzy Speed Control of Brushless DC Motor**
TUNCAY R. N. , ZEYNEP E., YILMAZ M., ÜSTÜN Ö.
Int. Conference on Electrical and Electronics Engineering, Bursa, Turkey, 4 - 06 December 2003
- XXIII. **Sensorless Drive of Brushless DC Motor Based Upon Wavelet Analysis**
YILMAZ M., TUNCAY R. N. , ÜSTÜN Ö.

- International Conference on Electrical & Electronics Engineering, Bursa, Turkey, 4 - 06 December 2003
- XXIV. **Development of Power Electronic Simulation Software**
ÜSTÜN Ö., TUNCAY R. N. , YILMAZ M.
International Conference on Electrical and Electronics Engineering, Bursa, Turkey, 7 - 11 December 2001
- XXV. **A study on The Conventional and Fuzzy Control Steel cutting Process**
BÜLENT Y., YILMAZ M., TUNCAY R. N.
Int. Conference on Electrical and Electronics Engineering, Bursa, Turkey, 7 - 11 December 2001
- XXVI. **A User Friendly Design Package for Universal Motors**
YILMAZ M., TUNCAY R. N. , CÜNEYT Ö.
International AEGEAN Conference on Electrical Machines and Power Electronics, ACEMP 2001, İzmir, Turkey, 13 - 15 June 2001
- XXVII. **The Design Methodology to Develop New Generation Universal Motors for Vacuum Cleaners**
TUNCAY R. N. , YILMAZ M., CÜNEYT Ö.
IEEE International Electric Machines and Drives Conference, IEMDC 2001, Massachusetts, United States Of America, 6 - 09 June 2001
- XXVIII. **Simulation of power electronic circuits using VisSim software A study on toolbox development**
ÜSTÜN Ö., YILMAZ M., TUNCAY R. N.
IEEE Workshop on Computers in Power Electronics, Virginia, United States Of America, 13 - 15 September 2000
- XXIX. **Yüksek Devir Hızlarında Çalışan Universal Motorlar İçin Tasarım Sürecinin Geliştirilmesi**
YILMAZ M., TUNCAY R. N. , CÜNEYT Ö., GÜROL K.
Elektrik & Elektronik Bilgisayar Mühendisliği 8. Ulusal Kongresi, Gaziantep, Turkey, 8 - 09 September 1999

Supported Projects

- Ergene L., Tap A., Yılmaz M., Project Supported by Higher Education Institutions, Çamaşır Makinesi Uygulamaları için Geniş Hız Aralığına Sahip Algılayıcısız Mıknatıs Destekli Senkron Relüktans Motor Sürücü Tasarımı, 2019 - Continues
- Yılmaz M., Fincan B., Project Supported by Higher Education Institutions, Tam Elektrikli Araçlar için Kablolu/Kablosuz İzoleli Batarya Şarj Sistemi, 2018 - Continues
- Yılmaz M., TUBITAK Project, E5000 Tip Lokomotif Geliştirilmesi, 2017 - Continues
- Yılmaz M., TUBITAK Project, Çamaşır Makinaları İçin Sürekli Mıknatıs Destekli Senkron Relüktans Motor Tasarım ve Eniyilemesi, 2015 - Continues
- Yılmaz M., Project Supported by Higher Education Institutions, Current Source Converters for High Power Laser Diode Driver Applications, 2016 - 2020
- Yılmaz M., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Kalıcı Mıknatıslı Senkron Motorlar için Doğrudan Tork Kontrollü Sürücü Devresi Tasarımı, 2016 - 2018
- Yılmaz M., Project Supported by Higher Education Institutions, ENERGY MANAGEMENT METHOD FOR SOLAR CAR DESIGN AND APPLICATION, 2009 - 2018
- Yılmaz M., Project Supported by Higher Education Institutions, Capabilities of Finite Element Analysis and Magnetic Equivalent Circuits for Electrical Machine Analysis and Design, 2008 - 2018
- Yılmaz M., TUBITAK Project, Beyaz Eşya Motorları İçin Özgün Alan Yönlendirmeli Kontrol Yönteminin Geliştirilmesi, 2014 - 2016
- Yılmaz M., EU Framework Program Project, Improved Magnets for Energy Generation through Advanced Tidal Technology, 2015 - 2015
- Yılmaz M., TUBITAK Project, Elektrikli Araçlar İçin 7.2kW Harici Şarj Ünitesi Tasarımı, 2014 - 2015
- Yılmaz M., Other Supported Projects, The Global Climate and Energy Project, 2011 - 2012
- Yılmaz M., Project Supported by Other Private Institutions, Start-Stop Mild Hibrit Sisteminin Geliştirilmesi, 2008 - 2010
- Yılmaz M., TUBITAK Project, Elektrikli ve Karma Araçlar için Tekerlek İçi Doğrudan Sürüşlü Bir Akıllı Elektrikli Tahrik ve Yol Tutuş Sisteminin Geliştirilmesi, 2006 - 2008
- Yılmaz M., TUBITAK Project, ELİT-2 Paralel Hibrit Elektrikli Araç Projesi, 2004 - 2005
- Yılmaz M., TUBITAK Project, Mikseler için Üniversal Motor Tasarımı ve Geliştirilmesi, 1999 - 2000

Yılmaz M., Project Supported by Other Official Institutions, Elektrikli Süpürge Makinası için Teknoloji Geliştirilmesi, 1996 - 1998

Patent

Yılmaz M., Vehicle Seat Motion Mechanism, Patent, CHAPTER H Electricity, Initial Registration

Yılmaz M., Taşıt Koltuğu Hareket Düzeneciği, Patent, CHAPTER H Electricity, Initial Registration

Memberships / Tasks in Scientific Organizations

SAE, Member, 2012 - Continues

IEEE, Member, 1999 - Continues

Elektrik Mühendisleri Odası, Member, 1996 - Continues

Scientific Refereeing

The Turkish Journal of Electrical Engineering & Computer Sciences, SCI Journal, November 2018

IEEE Transactions on Vehicular Technology, SCI Journal, November 2018

IET Power Electronics, SCI Journal, July 2018

IEEE Transaction on Vehicular Technology, SCI Journal, July 2018

Taylor & Francis – Electric Power Components & Systems , SCI Journal, May 2018

IEEE Transaction on Industrial Electronics, SCI Journal, March 2018

Taylor & Francis – Electric Power Components & Systems , SCI Journal, February 2018

IEEE Transaction on Industrial Electronics, SCI Journal, August 2017

IEEE Transactions on Applied Superconductivity, SCI Journal, May 2017

IEEE Transaction on Vehicular Technology, SCI Journal, May 2017

IET Electric Power Applications, SCI Journal, May 2017

IEEE Transaction Power Electronics, SCI Journal, January 2017

Taylor & Francis – Electric Power Components & Systems , SCI Journal, November 2016

IEEE Transaction on Power Electronics, SCI Journal, September 2016

IEEE Transaction on Power Electronics, SCI Journal, June 2016

Energies, SCI Journal, June 2016

IEEE Transactions on Intelligent Transportation Systems, SCI Journal, May 2016

IEEE Transaction on Power Electronics, SCI Journal, October 2015

Energies, SCI Journal, September 2015

Taylor & Francis – Electric Power Components & Systems , SCI Journal, August 2015

Taylor & Francis – Electric Power Components & Systems , SCI Journal, June 2015

IEEE Transaction on Smart Grid, SCI Journal, June 2015

IEEE Transaction on Power Systems, SCI Journal, March 2015

IEEE Transaction on Power Systems, SCI Journal, September 2014

IEEE Transaction on Smart Grid, SCI Journal, September 2014

Taylor & Francis – Electric Power Components & Systems , SCI Journal, March 2014

Taylor & Francis – Electric Power Components & Systems , SCI Journal, June 2013

Edit Congress and Symposium Activities

IEEE International Electric Machines and Drives Conference, IEMDC, Attendee, Illinois, United States Of America, 2013

IEEE International Conference on Vehicular Electronics and Safety (ICVES'12), Attendee, İstanbul, Turkey, 2012

IEEE International Electric Vehicle Conference (IEVC 2012), Attendee, North-Carolina, United States Of America, 2012
IEEE Vehicle Power and Propulsion Conference, Attendee, Illinois, United States Of America, 2011
IEEE International Electric Machines and Drives Conference, Attendee, Florida, United States Of America, 2009
IEEE 39th Power Electronics Specialists Conference, Attendee, Rodos, Greece, 2008
AUTOCOM Workshop on Hybrid Vehicle Modeling and Control, Attendee, İstanbul, Turkey, 2007
International Conference on Electrical and Electronics Engineering, Bursa, Attendee, Bursa, Turkey, 2005
IEEE International Conference on Mechatronics, Attendee, İstanbul, Turkey, 2004
International Conference on Electrical & Electronics Engineering, Attendee, Bursa, Turkey, 2003
International Conference on Electrical and Electronics Engineering, Attendee, Bursa, Turkey, 2001
International AEGEAN Conference on Electrical Machines and Power Electronics, ACEMP, Attendee, İzmir, Turkey, 2001
IEEE International Electric Machines and Drives Conference, Attendee, Massachusetts, United States Of America, 2001
ELECO, Attendee, Bursa, Turkey, 1999

Citations

Total Citations (WOS):1446

h-index (WOS):5

Invited Talks

ELECO 2020, Conference, EMO Bursa, Turkey, November 2020

EEMKON 2019, Conference, EMO İstanbul, Turkey, November 2019

Scholarships

2219 - Doktora Sonrası Araştırma Bursu, TÜBİTAK, 2011 - Continues

Doktora Sonrası Araştırma Bursu, University, 2007 - Continues

Koç Eğitim Vakfı Eğitim Bursu, Foundation, 2002 - Continues

Awards

Yılmaz M., En İyi Poster Bildiri Ödülü, IEEE International Electric Machines and Drives Conference, IEMDC 2009, May 2009