

Prof. Ozan ERDİNÇ

Personal Information

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Biography

I received the B.Sc., M.Sc., and Ph.D. degrees from Yıldız Technical University (YTU), Istanbul, Turkey, in 2007, 2009, and 2012, respectively. I also have a secondary BSC degree from Anadolu University, Eskisehir, Turkey, in 2010 from the Department of Business Administration. Until May 2013, I worked in the private sector in different positions including electrical installations, renewable energy investments and as procurement expert. In June 2013, I became a Postdoctoral Fellow with the University of Beira Interior, Covilhã, Portugal, under the EU-FP7 funded Project "Smart and Sustainable Insular Electricity Grids Under Large-Scale Renewable Integration". I was also a Researcher with the INESC-ID, Lisbon, Portugal with FCT PostDoctoral Grant Award. I also joined the Department of Electrical and Electronics Engineering, Arel University, Istanbul as an Assistant Professor. Afterwards, I joined the Department of Electrical Engineering, YTU, Istanbul, where in April 2016 I obtained the title of Associate Prof. Dr. with the national habilitation exam, and also appointed as a Full Professor in September 2021. I have taught several courses both in Turkish and English at both undergraduate and graduate levels, and have supervised several graduate theses. I am currently the Manager of IT Division, Director of Energy Application and Research Center of YTU and Head of Alternative Energy Based Electric Systems Division at the Department of Electrical Engineering (YTU).

I am a *Senior Member of IEEE*, an Editor of the *IEEE Transactions on Sustainable Energy* and an Associate Editor of the *IET Renewable Power Generation*. My research interests are hybrid renewable energy systems, electric vehicles, power system operation, and smart grid Technologies.

Education Information

Doctorate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Elektrik Mühendisliği, Turkey
2009 - 2013

Postgraduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Elektrik Mühendisliği, Turkey
2007 - 2009

Undergraduate, Yıldız Teknik Üniversitesi, Faculty of Electrical & Electronics, Elektrik Mühendisliği, Turkey 2003 - 2007

Research Areas

Electrical and Electronics Engineering, Energy, Direct Energy Conversion and Energy Storage, Power System Analysis, Electric Power Transmission, Distribution and Protection, Renewable energy, Engineering and Technology

Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2021 - Continues

Associate Professor, Yıldız Technical University, Faculty Of Electrical & Electronics, Electrical Engineering Department, 2016 - 2021

Assistant Professor, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2015 - 2016

Assistant Professor, Istanbul Arel University, Faculty Of Engineering And Architecture, Department Of Electrical And Electronics Engineering, 2014 - 2015

Academic and Administrative Experience

Manager of Research and Application Center, Yildiz Technical University, -----, Energy Application and Research Center, 2018 - Continues

Head of Department, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2017 - Continues

Rectorate Commissioner, Yildiz Technical University, -----, Akademik Teşvik Düzenleme, Denetleme ve İtiraz Komisyonu, 2017 - Continues

Deputy Head of Department, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2017 - 2018

Erasmus Coordinator, Yildiz Technical University, Faculty of Electrical & Electronics, Electrical Engineering Department, 2015 - 2016

Deputy Head of Department, Istanbul Arel University, Faculty Of Engineering And Architecture, Department Of Electrical And Electronics Engineering, 2014 - 2015

Courses

Renewable Energy Systems, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019

Optimization of Electric Energy Systems , Doctorate, 2018 - 2019, 2019 - 2020

Electric Vehicles, Undergraduate, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Introduction to Smart Grids, Undergraduate, 2016 - 2017, 2017 - 2018

Advising Theses

Erdoğan O., Ortak enerji depolama sistemlerinin elektrik güç sistemlerinde talep cevabı konsepti için kullanılması, Postgraduate, A.ÇİÇEK(Student), 2018

Erdoğan O., Mikroşebekelerde talep tarafının esnekliğini dikkate alan optimum işletim yaklaşımının geliştirilmesi, Postgraduate, A.KÜBRA(Student), 2018

Erdoğan O., Elektrikli otobüslerin metrobüs hattında kullanımının tekno-ekonomik analizi, Postgraduate, A.ALTAĞ(Student), 2017

Erdoğan O., Integration of distributed generation in Iraq electrical distribution system: Pre-results and suggestions, Postgraduate, A.ISAM(Student), 2017

Erdoğan O., Design and implementation of an inverter for low power photovoltaic systems, Postgraduate, D.MOHAMMAD(Student), 2017

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

I. A Topological Overview of Microgrids: from Maturity to the Future

Erenoğlu A. K. , Sancar S., Erdoğan O., Bağrıyanık M.

Turkish Journal Of Electrical Engineering And Computer Sciences, vol.1, pp.1-2, 2021 (Journal Indexed in SCI Expanded)

II. Post-Event Restoration Strategy for Coupled Distribution-Transportation System Utilizing Spatiotemporal Flexibility of Mobile Emergency Generator and Mobile Energy Storage System

Erenoğlu A. K. , Erdinç O.

Electric Power Systems Research, vol.1, pp.1, 2021 (Journal Indexed in SCI Expanded)

- III. **Effects of On-Site PV Generation and Residential Demand Response on Distribution System Reliability**
Güner S, Erenoğlu A. K. , Şengör İ, Erdinç O., Catalao J.
APPLIED SCIENCES-BASEL, vol.1, pp.1, 2021 (Journal Indexed in SCI Expanded)
- IV. **An interactive multi-criteria decision-making framework between a renewable power plant planner and the independent system operator**
Soltaniyan S., Salehizadeh M. R. , TAŞCIKARAOĞLU A., ERDİNÇ O., Catalao J. P. S.
SUSTAINABLE ENERGY GRIDS & NETWORKS, vol.26, 2021 (Journal Indexed in SCI)
- V. **Considering the combinatorial effects of on-site distributed generation and battery-to-X option availability in electric vehicle battery swap station operation**
ERDİNÇ O.
SUSTAINABLE ENERGY GRIDS & NETWORKS, vol.26, 2021 (Journal Indexed in SCI)
- VI. **Optimal Allocation of Renewable Sources and Energy Storage Systems in Partitioned Power Networks to Create Supply-Sufficient Areas**
Oskouei M. Z. , Mohammadi-Ivatloo B., ERDİNÇ O., Erdinc F. G.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.12, no.2, pp.999-1008, 2021 (Journal Indexed in SCI)
- VII. **Real-Time Algorithm Based Intelligent EV Parking Lot Charging Management Strategy Providing PLL Type Demand Response Program**
Sengor I, Guner S., ERDİNÇ O.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.12, no.2, pp.1256-1264, 2021 (Journal Indexed in SCI)
- VIII. **Implementing a Demand Side Management Strategy for Harmonics Mitigation in a Smart Home using Real Measurements of Household Appliances**
Çiçek A., Erenoğlu A. K. , Erdinç O., Bozkurt A., Taşcıkaraoğlu A., Catalao J.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.01420615, pp.1, 2021 (Journal Indexed in SCI)
- IX. **Risk-averse optimal bidding strategy for a wind energy portfolio manager including EV parking lots for imbalance mitigation**
Cicek A., ERDİNÇ O.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.29, no.2, pp.481-498, 2021 (Journal Indexed in SCI)
- X. **Practical evidence-based evaluation of a combined heat reduction technique for power transformer buildings**
Dursun İ, Güner S, Şengör İ, Erenoğlu A. K. , Erdinç O., Catalão J. P. S.
Electronics (Switzerland), vol.9, pp.1-14, 2020 (Journal Indexed in SCI)
- XI. **A Comprehensive Overview of Dynamic Line Rating Combined with Other Flexibility Options from an Operational Point of View**
Erdinc F. G. , ERDİNÇ O., YUMURTACI R., Catalao J. P. S.
ENERGIES, vol.13, no.24, 2020 (Journal Indexed in SCI)
- XII. **Electrical Layout Optimization of Onshore Wind Farms Based on a Two-Stage Approach**
Deveci K, Barutçu B., ALPMAN E., Tascikaraoglu A., ERDİNÇ O.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.11, no.4, pp.2407-2416, 2020 (Journal Indexed in SCI)
- XIII. **Decision making mechanism for a smart neighborhood fed by multi-energy systems considering demand response**
Cicek A., Sengor I., ERENOĞLU A. K. , ERDİNÇ O.
ENERGY, vol.208, 2020 (Journal Indexed in SCI)
- XIV. **Optimal operation of a multi-energy system considering renewable energy sources stochasticity and impacts of electric vehicles**
Ata M., Erenoğlu A. K. , Şengör İ, Erdinç O., Taşcıkaraoğlu A., Catalao J. P.
ENERGY, vol.186, 2019 (Journal Indexed in SCI)

- XV. **Route optimization of an electric garbage truck fleet for sustainable environmental and energy management**
Erdinc O., Yetilmezsoy K., Erenoğlu A. K., Erdinç O.
JOURNAL OF CLEANER PRODUCTION, vol.234, pp.1275-1286, 2019 (Journal Indexed in SCI)
- XVI. **A New Approach for Grid-Connected Hybrid Renewable Energy System Sizing Considering Harmonic Contents of Smart Home Appliances**
Erenoğlu A. K., Çiçek A., Arıkan O., Erdinç O., Catalao J. P. S.
APPLIED SCIENCES-BASEL, vol.9, no.18, 2019 (Journal Indexed in SCI)
- XVII. **Bi-Objective Optimization Model for Optimal Placement of Thyristor-Controlled Series Compensator Devices**
Salehizadeh M. R., Koozbijari M. A., Nouri H., Tascikaraoglu A., ERDİNÇ O., Catalao J. P. S.
ENERGIES, vol.12, no.13, 2019 (Journal Indexed in SCI)
- XVIII. **Effect of electric vehicle parking lots equipped with roof mounted photovoltaic panels on the distribution network**
TURAN M. T., ATEŞ Y., ERDİNÇ O., GÖKALP E., Catalao J. P. S.
INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, vol.109, pp.283-289, 2019 (Journal Indexed in SCI)
- XIX. **Optimal Energy Management of EV Parking Lots Under Peak Load Reduction Based DR Programs Considering Uncertainty**
Şengör İ., Erdinç O., Yener B., Taşcıkaraoğlu A., Catalão J. P. S.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.10, pp.1034-1043, 2019 (Journal Indexed in SCI)
- XX. **Novel Incentive Mechanism for End-Users Enrolled in DLC-Based Demand Response Programs Within Stochastic Planning Context**
ERDİNÇ O., Tascikaraoglu A., Paterakis N. G., Catalao J. P. S.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, vol.66, no.2, pp.1476-1487, 2019 (Journal Indexed in SCI)
- XXI. **Combining the Flexibility From Shared Energy Storage Systems and DLC-Based Demand Response of HVAC Units for Distribution System Operation Enhancement**
Tascikaraoglu A., Paterakis N. G., ERDİNÇ O., Catalao J. P. S.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.10, no.1, pp.137-148, 2019 (Journal Indexed in SCI)
- XXII. **Power system protection with digital overcurrent relays: A review of non-standard characteristics**
Kilickiran H. C., ŞENGÖR İ., Akdemir H., KEKEZOĞLU B., ERDİNÇ O., PATERAKIS N. G.
ELECTRIC POWER SYSTEMS RESEARCH, vol.164, pp.89-102, 2018 (Journal Indexed in SCI)
- XXIII. **Energy Management of a Smart Railway Station Considering Regenerative Braking and Stochastic Behaviour of ESS and PV Generation**
ŞENGÖR İ., Kilickiran H. C., Akdemir H., KEKEZOĞLU B., ERDİNÇ O., Catalao J. P. S.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.9, no.3, pp.1041-1050, 2018 (Journal Indexed in SCI)
- XXIV. **Comprehensive Optimization Model for Sizing and Siting of DG Units, EV Charging Stations, and Energy Storage Systems**
ERDİNÇ O., Tascikaraoglu A., Paterakis N. G., Dursun I., Sinim M. C., Catalao J. P. S.
IEEE TRANSACTIONS ON SMART GRID, vol.9, no.4, pp.3871-3882, 2018 (Journal Indexed in SCI)
- XXV. **Maximum Permissible Integration Capacity of Renewable DG Units Based on System Loads**
Doğansahin K., KEKEZOĞLU B., YUMURTACI R., ERDİNÇ O., Catalao J. P. S.
ENERGIES, vol.11, no.1, 2018 (Journal Indexed in SCI)
- XXVI. **Design and Implementation of an Interactive Interface for Demand Response and Home Energy Management Applications**
YENER B., Tascikaraoglu A., ERDİNÇ O., BAYSAL M., Catalao J. P. S.
APPLIED SCIENCES-BASEL, vol.7, no.6, 2017 (Journal Indexed in SCI)
- XXVII. **An overview of Demand Response: Key-elements and international experience**
PATERAKIS N. G., ERDİNÇ O., Catalao J. P. S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.69, pp.871-891, 2017 (Journal Indexed in SCI)
- XXVIII. **End-User Comfort Oriented Day-Ahead Planning for Responsive Residential HVAC Demand**

Aggregation Considering Weather Forecasts

ERDİNÇ O., Tascikaraoglu A., PATERAKIS N. G. , EREN Y., CATALAO J. P. S.

IEEE TRANSACTIONS ON SMART GRID, vol.8, no.1, pp.362-372, 2017 (Journal Indexed in SCI)

- XXIX. **Coordinated Operation of a Neighborhood of Smart Households Comprising Electric Vehicles, Energy Storage and Distributed Generation**
PATERAKIS N. G. , ERDİNÇ O., PAPPI I. N. , Bakirtzis A. G. , CATALAO J. P. S.
IEEE TRANSACTIONS ON SMART GRID, vol.7, no.6, pp.2736-2747, 2016 (Journal Indexed in SCI)
- XXX. **Consideration of the Impacts of a Smart Neighborhood Load on Transformer Aging**
PATERAKIS N. G. , Pappi I. N. , Erdinc O., Godina R., Rodrigues E. M. G. , Catalao J. P. S.
IEEE TRANSACTIONS ON SMART GRID, vol.7, no.6, pp.2793-2802, 2016 (Journal Indexed in SCI)
- XXXI. **Assessment of Demand-Response-Driven Load Pattern Elasticity Using a Combined Approach for Smart Households**
PATERAKIS N. G. , Tascikaraoglu A., ERDİNÇ O., Bakirtzis A. G. , Catalao J. P. S.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.12, no.4, pp.1529-1539, 2016 (Journal Indexed in SCI)
- XXXII. **Innovative impact assessment of electric vehicles charging loads on distribution transformers using real data**
GODINA R., RODRIGUES E. M. G. , PATERAKIS N. G. , ERDİNÇ O., CATALAO J. P. S.
ENERGY CONVERSION AND MANAGEMENT, vol.120, pp.206-216, 2016 (Journal Indexed in SCI)
- XXXIII. **Compressive Spatio-Temporal Forecasting of Meteorological Quantities and Photovoltaic Power**
Tascikaraoglu A., SANANDAJI B. M. , CHICCO G., COCINA V., SPERTINO F., ERDİNÇ O., PATERAKIS N. G. , CATALAO J. P. S.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.7, no.3, pp.1295-1305, 2016 (Journal Indexed in SCI)
- XXXIV. **Adaptive Protection Scheme for a Distribution System Considering Grid-Connected and Islanded Modes of Operation**
ATEŞ Y., BOYNUEĞRİ A. R. , Uzunoglu M., NADAR A., YUMURTACI R., ERDİNÇ O., PATERAKIS N. G. , Catalao J. P. S.
ENERGIES, vol.9, no.5, 2016 (Journal Indexed in SCI)
- XXXV. **Design and Application of a Power Unit to Use Plug-In Electric Vehicles as an Uninterruptible Power Supply**
Sen G., BOYNUEĞRİ A. R. , Uzunoglu M., ERDİNÇ O., Catalao J. P. S.
ENERGIES, vol.9, no.3, 2016 (Journal Indexed in SCI)
- XXXVI. **Multi-Objective Reconfiguration of Radial Distribution Systems Using Reliability Indices**
PATERAKIS N. G. , MAZZA A., SANTOS S. F. , ERDİNÇ O., CHICCO G., Bakirtzis A. G. , CATALAO J. P. S.
IEEE TRANSACTIONS ON POWER SYSTEMS, vol.31, no.2, pp.1048-1062, 2016 (Journal Indexed in SCI)
- XXXVII. **Overview of insular power systems under increasing penetration of renewable energy sources: Opportunities and challenges**
ERDİNÇ O., PATERAKIS N. G. , CATALAO J. P. S.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.52, pp.333-346, 2015 (Journal Indexed in SCI)
- XXXVIII. **Optimal Household Appliances Scheduling Under Day-Ahead Pricing and Load-Shaping Demand Response Strategies**
PATERAKIS N. G. , ERDİNÇ O., Bakirtzis A. G. , CATALAO J. P. S.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.11, no.6, pp.1509-1519, 2015 (Journal Indexed in SCI)
- XXXIX. **Assessment of electrically-driven vehicles in terms of emission impacts and energy requirements: a case study for Istanbul, Turkey**
Yagcitekin B., Uzunoglu M., Karakas A., ERDİNÇ O.
JOURNAL OF CLEANER PRODUCTION, vol.96, pp.486-492, 2015 (Journal Indexed in SCI)
- XL. **Smart Household Operation Considering Bi-Directional EV and ESS Utilization by Real-Time Pricing-Based DR**
Erdinc O., PATERAKIS N. G. , MENDES T. D. P. , Bakirtzis A. G. , CATALAO J. P. S.
IEEE TRANSACTIONS ON SMART GRID, vol.6, no.3, pp.1281-1291, 2015 (Journal Indexed in SCI)
- XLI. **Load-Following Reserves Procurement Considering Flexible Demand-Side Resources Under High Wind Power Penetration**

- PATERAKIS N. G. , Erdinc O., Bakirtzis A. G. , CATALAO J. P. S.
IEEE TRANSACTIONS ON POWER SYSTEMS, vol.30, no.3, pp.1337-1350, 2015 (Journal Indexed in SCI)
- XLII. **A new perspective for sizing of distributed generation and energy storage for smart households under demand response**
ERDİNÇ O., PATERAKIS N. G. , Pappi I. N. , Bakirtzis A. G. , CATALAO J. P. S.
APPLIED ENERGY, vol.143, pp.26-37, 2015 (Journal Indexed in SCI)
- XLIII. **Qualification and Quantification of Reserves in Power Systems Under High Wind Generation Penetration Considering Demand Response**
PATERAKIS N. G. , Erdinc O., Bakirtzis A. G. , CATALAO J. P. S.
IEEE TRANSACTIONS ON SUSTAINABLE ENERGY, vol.6, no.1, pp.88-103, 2015 (Journal Indexed in SCI)
- XLIV. **A new perspective in grid connection of electric vehicles: Different operating modes for elimination of energy quality problems**
BOYNUEĞRİ A. R. , UZUNOĞLU M., Erdinc O., GÖKALP E.
APPLIED ENERGY, vol.132, pp.435-451, 2014 (Journal Indexed in SCI)
- XLV. **Economic impacts of small-scale own generating and storage units, and electric vehicles under different demand response strategies for smart households**
Erdinc O.
APPLIED ENERGY, vol.126, pp.142-150, 2014 (Journal Indexed in SCI)
- XLVI. **Real-time performance analysis of an optimally sized hybrid renewable energy conversion unit**
ERDİNÇ O., ELMA O., Uzunoglu M., SELAMOĞULLARI U. S.
ENERGY AND BUILDINGS, vol.75, pp.419-429, 2014 (Journal Indexed in SCI)
- XLVII. **An adaptive load dispatching and forecasting strategy for a virtual power plant including renewable energy conversion units**
Tascikaraoglu A., ERDİNÇ O., Uzunoglu M., Karakas A.
APPLIED ENERGY, vol.119, pp.445-453, 2014 (Journal Indexed in SCI)
- XLVIII. **A new perspective in optimum sizing of hybrid renewable energy systems: Consideration of component performance degradation issue**
ERDİNÇ O., UZUNOĞLU M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, no.14, pp.10479-10488, 2012 (Journal Indexed in SCI)
- XLIX. **Optimum design of hybrid renewable energy systems: Overview of different approaches**
ERDİNÇ O., UZUNOĞLU M.
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.16, no.3, pp.1412-1425, 2012 (Journal Indexed in SCI)
- L. **Experimental performance assessment of an online energy management strategy for varying renewable power production suppression**
Erdinç O., Elma O., Uzunoglu M., Selamoğulları U. S. , Vural B., Ugur E., Boynueğri A. R. , Dusmez S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.37, pp.4737-4748, 2012 (Journal Indexed in SCI)
- LI. **The importance of detailed data utilization on the performance evaluation of a grid-independent hybrid renewable energy system**
ERDİNÇ O., UZUNOĞLU M.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.20, pp.12664-12677, 2011 (Journal Indexed in SCI)
- LII. **Power quality assessment of wind turbines and comparison with conventional legal regulations: A case study in Turkey**
Tascikaraoglu A., Uzunoglu M., Vural B., ERDİNÇ O.
APPLIED ENERGY, vol.88, no.5, pp.1864-1872, 2011 (Journal Indexed in SCI)
- LIII. **Parallel combination of FC and UC for vehicular power systems using a multi-input converter-based power interface**
Vural B., ERDİNÇ O., UZUNOĞLU M.
ENERGY CONVERSION AND MANAGEMENT, vol.51, no.12, pp.2613-2622, 2010 (Journal Indexed in SCI)
- LIV. **Recent trends in PEM fuel cell-powered hybrid systems: Investigation of application areas, design architectures and energy management approaches**
ERDİNÇ O., UZUNOĞLU M.

- RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.14, no.9, pp.2874-2884, 2010 (Journal Indexed in SCI)
- LV. **Fuel cell and ultra-capacitor hybridization: A prototype test bench based analysis of different energy management strategies for vehicular applications**
Vural B., BOYNUEĞRİ A. R., NAKİR İ., ERDİNÇ İ., Balıkcı A., UZUNOĞLU M., GORGUN H., DUSMEZ S.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.20, pp.11161-11171, 2010 (Journal Indexed in SCI)
- LVI. **Energy management of an FC/UC hybrid vehicular power system using a combined neural network-wavelet transform based strategy**
ATEŞ Y., ERDİNÇ O., Uzunoglu M., Vural B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.35, no.2, pp.774-783, 2010 (Journal Indexed in SCI)
- LVII. **A wavelet-fuzzy logic based energy management strategy for a fuel cell/battery/ultra-capacitor hybrid vehicular power system**
ERDİNÇ O., VURAL B., UZUNOĞLU M.
JOURNAL OF POWER SOURCES, vol.194, no.1, pp.369-380, 2009 (Journal Indexed in SCI)
- LVIII. **A fuzzy logic based supervisory controller for an FC/UC hybrid vehicular power system**
EREN Y., ERDİNÇ O., GORGUN H., UZUNOĞLU M., VURAL B.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.20, pp.8681-8694, 2009 (Journal Indexed in SCI)
- LIX. **Modeling and analysis of an FC/UC hybrid vehicular power system using a wavelet-fuzzy logic based load sharing and control algorithm**
ERDİNÇ O., Vural B., Uzunoglu M., ATEŞ Y.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.34, no.12, pp.5223-5233, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Güneş Kolektörlü ve Elektrikli Şofbenli Bir Akıllı Evin Talep Cevabı Programı Kapsamında Enerji Yönetimi**
Sancar S., Erenoğlu A. K., Şengör İ., Erdinç O.
Avrupa Bilim ve Teknoloji Dergisi, no.19, pp.1, 2020 (Other Refereed National Journals)
- II. **Day-ahead charging operation of electric vehicles with on-site renewable energy resources in a mixed integer linear programming framework**
Sengor I., ERENOĞLU A. K., ERDİNÇ O., Tascikaraoglu A., Catalao J. P. S.
IET SMART GRID, vol.3, no.3, pp.367-375, 2020 (Journal Indexed in ESCI)
- III. **POMPALANMIŞ SU TABANLI ENERJİ DEPOLAMA ÜNİTESİ KULLANIMINA VE DİNAMİK FİYATLANDIRMAYA DAYANAN BİR KAZANÇ OPTİMİZASYONU YAKLAŞIMI**
TAŞCIKARAOĞLU A., ERDİNÇ O.
Eskişehir Osmangazi Üniversitesi Mühendislik ve Mimarlık Fakültesi Dergisi, vol.26, pp.74-87, 2018 (Refereed Journals of Other Institutions)
- IV. **Pik güç azaltımı tabanlı talep cevabı stratejisi ve yük faktörümaksimizasyonu amaçlı bir elektrikli araç toplu park bölgesi enerjyönetim stratejisi**
ERDİNÇ O., TAŞCIKARAOĞLU A.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.24, pp.824-830, 2018 (Other Refereed National Journals)

Books & Book Chapters

- I. **Pathways to a Smarter Power System**
Erdinç O., Taşcıkaraoğlu A.
Academic Press, California, 2019
- II. **History of Electricity**
Erenoğlu A. K., Erdinç O., Taşcıkaraoğlu A.
in: Pathways to a Smarter Power System, Ozan Erdinç, Akın Taşcıkaraoğlu, Editor, Elsevier Science,

Oxford/Amsterdam , Amsterdam, pp.1-45, 2019

III. Optimization in Renewable Energy Systems - Recent Perspectives

Erdiñç O.

Butterworth-Heinemann , Oxford, 2017

IV. Reserves and Demand Response Coping with Renewables Uncertainty

Paterakis N., Erdiñç O., Shafie-Khah M., Forushani H.

in: Smart and Sustainable Power Systems: Operations, Planning and Economics of Insular Electricity Grids, Joao Catalao, Editor, CRC, New York , New-York, pp.100-124, 2015

V. Overview of Insular Power Systems: Challenges and Opportunities

Erdiñç O., Paterakis N.

in: Smart and Sustainable Power Systems: Operations, Planning and Economics of Insular Electricity Grids, Joao Catalao, Editor, CRC, New York , New-York, pp.1-24, 2015

VI. Akıllı Şebekelere Giriş

Uzunođlu M., Erdiñç O.

Nobel Yayın Dađıtım, İstanbul, 2013

Refereed Congress / Symposium Publications in Proceedings

I. Charging Management System for Electric Vehicles considering Vehicle-to-Vehicle (V2V) Concept Araçlar Arası Enerji Aktarımını Dikkate Alan Elektrikli Araçlar için Şarj Yönetim Sistemi
GÜLDORUM H. C. , Şengör İ., ERDİNÇ O.

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Awards

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