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Advising Theses

- ERTAN H. B. , Design of a control moment gyroscope with outer rotor BLDC motor, Postgraduate, B.İnce(Student), 2019
- ERTAN H. B. , A Hardware in the loop simulator development for wind energy conversion systems, Postgraduate, S.Pourkeivannour(Student), 2019
- ERTAN H. B. , Investigation of the effects of switching technique and gan device on the performance of bidirectional buck-boost DC/DC converter, Postgraduate, İ.Koçak(Student), 2019
- ERTAN H. B. , Sizing of a series hybrid electric vehicle, Postgraduate, F.Remzican(Student), 2019
- ERTAN H. B. , Design and optimization of high torque density generator for direct drive wind turbine applications, Postgraduate, R.Zeinali(Student), 2016
- ERTAN H. B. , Implementation of sensorless vector control drive with current position estimation, Postgraduate, T.Filci(Student), 2016
- ERTAN H. B. , Design and optimziation of high torque density generator for direct drive wind turbine applications, Postgraduate, R.ZEINALI(Student), 2016
- ERTAN H. B. , Optimum pole combination to maxmize torque density in switched reluctance motors for electric vehicle applications, Postgraduate, R.TARVIRDILU(Student), 2016
- ERTAN H. B. , Design and implementation of variable frequency sine wave output buck-boost inverter, Postgraduate, Y.ŞENER(Student), 2016
- ERTAN H. B. , Prediction of rotor position from rotor slot harmonics existing in motor stator current, Postgraduate, T.FİLCİ(Student), 2016
- ERTAN H. B. , Design of an outer-rotor brushless DC motor for control moment gyroscope applications /, Postgraduate, N.ÇAĞAN(Student), 2015
- ERTAN H. B. , Development of a hardware-in-the-loop wind energy conversion system emulator /, Postgraduate, G.CENGİZ(Student), 2015
- ERTAN H. B. , The effect of DC link filter design and compensation on dynamic performance of vector controlled drive, Postgraduate, M.KAYHAN(Student), 2015
- ERTAN H. B. , The Effect of DC link filter design and compensation on dynamic performance of vector controlled drive /, Postgraduate, M.Kayhan(Student), 2015
- ERTAN H. B. , A software for analysis of permanent magnet AC motors, Postgraduate, D.BULGAN(Student), 2014
- ERTAN H. B. , Design software development for induction motors, Postgraduate, M.İZGÜDEN(Student), 2011
- ERTAN H. B. , Measurement of brushless DC motor characteristics and parameters and brushless DC motor design, Postgraduate, İ.ŞAHİN(Student), 2010
- ERTAN H. B. , A normalized set of force and permeance data for doubly-salient magnetic geometries, Postgraduate, İ.MAHARİQ(Student), 2009
- ERTAN H. B. , A novel algorithm for prediction off-line stator leakage inductance and on-line stator resistance of induction motors, Postgraduate, V.SEZGİN(Student), 2009
- ERTAN H. B. , A non-invasive speed and position sensor for induction machines using external search coils, Postgraduate, O.Keysan(Student), 2009
- ERTAN H. B. , Comparison of axial flux and radial flux brushless dc motor topologies for control moment gyroscope wheel applications, Postgraduate, K.YILMAZ(Student), 2009
- ERTAN H. B. , A switch mode power supply for producing half wave sine output, Postgraduate, İ.Kaya(Student), 2008

ERTAN H. B. , LEBLEBİCİOĞLU M. K. , A control algorithm to minimize torque ripple and acoustic noise of switched reluctance motors, Doctorate, E.BİZKEVELCİ(Student), 2008

ERTAN H. B. , Development of an electrical machines analysis and optimum design software package, Postgraduate, Y.GÖYNÜK(Student), 2008

ERTAN H. B. , A single transistor unity power factor rectifier, Postgraduate, M.Tunç(Student), 2007

ERTAN H. B. , Parameter and speed estimation on induction motors from manufactures data and measurements /, Postgraduate, Ç.Hakkı(Student), 2005

ERTAN H. B. , A software for analysis and design optimization of switched reluctance motor, Postgraduate, L.Burak(Student), 2004

ERTAN H. B. , A novel approach for synthesising sinus waveforms at power level, Postgraduate, S.Paki(Student), 2004

ERTAN H. B. , Implementation of a vector controlled induction motor drive, Postgraduate, A.Acar(Student), 2004

ERTAN H. B. , Calculation of core losses of a six-phase induction motor with third harmonic current injection, Postgraduate, A.Büyükbaş(Student), 2004

ERTAN H. B. , Four quadrant computer based motor test system development, Postgraduate, T.İnan(Student), 2003

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ERTAN H. B. , A Control system for solar-electric energy conversion system, Postgraduate, A.YILMAZ(Student), 2002

ERTAN H. B. , Performance calculation of single phase permanent magnet synchronous motors for design optimization., Postgraduate, B.DAĞ(Student), 2002

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ERTAN H. B. , A Study on evaluation of direct torque and field orientation control of induction machines, Postgraduate, H.KAVAKLI(Student), 2000

ERTAN H. B. , Implementation of vector control for induction motor drives, Postgraduate, H.CAN(Student), 1999

ERTAN H. B. , Fuzzy control of resonant inverter circuit for x-ray power supply, Postgraduate, T.ÇAMLİKAYA(Student), 1999

ERTAN H. B. , Computation of core losses in three phase smooth rotor induction motors using finite element method, Postgraduate, M.PİRGAİP(Student), 1998

ERTAN H. B. , Determination of equivalent circuit parameters of three phase induction machines with finite elements., Postgraduate, A.ÇEKİÇ(Student), 1998

ERTAN H. B. , Design optimization of three-phase induction motors, Postgraduate, S.HAMARAT(Student), 1997

ERTAN H. B. , An investigation on phase angle vector control for three phase induction motors., Doctorate, A.Erbil(Student), 1996

ERTAN H. B. , A Microprocessor based fuzzy controller for an induction heating system, Postgraduate, H.KARABUDAK(Student), 1995

ERTAN H. B. , Asynchronous harmonic torque effects on the torque speed curve of the squirrel cage induction motor, Postgraduate, M.AYAN(Student), 1994

ERTAN H. B. , Zero voltage switching pulse frequency modulated inverter, Postgraduate, S.MUTLU(Student), 1994

ERTAN H. B. , A Compact Pfm controller converter with wide speed range for 3 phase induction motors, Postgraduate, N.BALKAN(Student), 1994

ERTAN H. B. , Computer aided design of single phase capacitor-type induction motors., Postgraduate, M.AFTAHI(Student), 1993

ERTAN H. B. , A Software for predicting quasi stationary characteristics of sr motors, Postgraduate, F.NİAKAN(Student), 1993

ERTAN H. B. , Inverter design for maximum power transfer in induction heating, Postgraduate, M.ATAVİ(Student), 1991

ERTAN H. B. , Optimum design of single phase capacitor start motors, Postgraduate, İ.GÜLER(Student), 1990

ERTAN H. B. , Design and spice simulation of a thyristorized medium frequency current fed inverter, Postgraduate, Y.DEMİRTÜRK(Student), 1989

ERTAN H. B. , New algorithms and techniques for microprocessor-controlled PWM induction drives, Doctorate, O.KÜKRER(Student), 1987

ERTAN H. B. , A Mid-point inverter for induction machine speed control, Postgraduate, A.DİNÇER(Student), 1987

ERTAN H. B. , Optimum design of switching reluctance motors., Doctorate, M.Tohumcu(Student), 1985

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

- I. **Real-Time Speed and Position Estimation Using Rotor Slot Harmonics**
Keysan O., ERTAN H. B.
IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, vol.9, no.2, pp.899-908, 2013 (Journal Indexed in SCI)
- II. **High-frequency loss calculation in a smooth rotor induction motor using FEM**
Ertan H. B., Leblebicioglu K., Avenoglu B., Pirgaip M.
IEEE TRANSACTIONS ON ENERGY CONVERSION, vol.22, no.3, pp.566-575, 2007 (Journal Indexed in SCI)
- III. **Archery performance level and repeatability of event-related EMG**
Soylu A. R., Ertan H., Korkusuz F.
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- IV. **Steady-state modeling of a phase-shift PWM parallel resonant converter**
Iskender I., Uctug Y., Ertan H. B.
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- V. **DSP microcontroller-based fuzzy control of a DC/DC parallel resonant converter using phase-shift PWM technique**
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- VI. **Calculation of parameters of single-phase PM motor for design optimization**
Ertan H., Dag M., Capolino G.
IEEE TRANSACTIONS ON ENERGY CONVERSION, vol.20, no.3, pp.538-548, 2005 (Journal Indexed in SCI)
- VII. **Reliability and validity testing of an archery chronometer**
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JOURNAL OF SPORTS SCIENCE AND MEDICINE, vol.4, no.2, pp.95-104, 2005 (Journal Indexed in SCI)
- VIII. **Powder metal development for electrical motor applications**
Bayramli E., Golgelioğlu O., Ertan H.
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- IX. **Quantification the relationship between FITA scores and EMG skill indexes in archery**
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- X. **Comparison of PWM and PFM induction drives ID in, egarding audible noise and vibration for household applications**
Ertan H., Simsir N.
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS, vol.40, no.6, pp.1621-1628, 2004 (Journal Indexed in SCI)
- XI. **Factors affecting the shoulder proprioceptive sense among male volleyball players**
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- XII. **Activation patterns in forearm muscles during archery shooting**
Ertan H., Kentel B., Tumer S., Korkusuz F.
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- XIII. **Optimum geometry for torque ripple minimization of switched reluctance motors**
Sahin F., Ertan H., Leblebicioglu K.
IEEE TRANSACTIONS ON ENERGY CONVERSION, vol.15, no.1, pp.30-39, 2000 (Journal Indexed in SCI)
- XIV. **Prediction of torque and inductance displacement characteristics of asymmetrically slotted variable-reluctance motors using a simplified model for numerical field solution**
Ertan H.
IEEE TRANSACTIONS ON MAGNETICS, vol.35, no.5, pp.4247-4258, 1999 (Journal Indexed in SCI)
- XV. **VARIOUS INDUCTION GENERATOR SCHEMES FOR WIND ELECTRICITY-GENERATION**
ERMIS M., ERTAN H., DEMIREKLER M., SARIBATIR B., UCTUG Y., SEZER M., CADIRCI I.

Articles Published in Other Journals

- I. **Analytical Modelling, Simulation and Comparative Study of Multi-Junction Solar Cells Efficiency**
Hadjdida A., Bourahla M., ERTAN H. B. , Bekhti M.
INTERNATIONAL JOURNAL OF RENEWABLE ENERGY RESEARCH, vol.8, no.4, pp.1824-1832, 2018 (Journal Indexed in ESCI)

Books & Book Chapters

- I. **Transformers Analysis Design and Measurement**
ERTAN H. B.
CRC press, 2012

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the Effects of Switching Technique on the Performance of Four Switch Buck-Boost Bidirectional DC/DC Converters**
Kocak I., ERTAN H. B.
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- II. **Integration of Offshore Wind Farm Plants to the Power Grid using an HVDC line Transmission**
Berkani A., Pourkeivannour S., Negadi K., Boumediene B., Allaoui T., Ertan H. B.
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- III. **FEM-Based Design Modifications and Efficiency Improvements of a Brushed Permanent Magnet DC Motor**
Tarvirdilu-Asl R., Zeinali R., ERTAN H. B.
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- IV. **Magnetically Geared Direct Drive Wind Generator Thermal Analysis**
Zeinali R., ERTAN H. B. , Yamali C., Tarvirdilu-Asl R.
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- V. **Development of Model for DC Link Filter Design**
ERTAN H. B. , Kayhan M.
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- VI. **PM brushed DC motor optimization**
Rasul T., Reza Z., ERTAN H. B. , Yavuz T.
ISEF, Valencia, Spain, 10 - 12 September 2015
- VII. **Evaluation of a 6 pole axial flux PM motor for Control Moment Gyroscope Application**
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- VIII. **Three phase Inverter Speed Control of AC Drives Motor using DSPic microcontroller**
Dida A. H. , Bourahla M., ERTAN H. B. , Benghanem M., Benzina M. E.
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- IX. **Sinus Output 3-Phase Inverter Topology for Improved Drive Efficiency**
ERTAN H. B. , Sener Y.
16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Turkey, 21 - 24 September 2014, pp.1350-1357
- X. **Design, Development and Implementation of Sensorless Digital Control of an Electric Motorization**
Dida A. H. , Bourahla M., ERTAN H. B. , Benghanem M.
16th International Power Electronics and Motion Control Conference and Exposition (PEMC), Antalya, Turkey, 21 - 24 September 2014, pp.482-489
- XI. **Comparison of Outer Rotor Radial Flux and Axial Flux PM Motors for CMG Application**
ERTAN H. B. , Cagan N.
International Conference on Electrical Machines (ICEM), Berlin, Germany, 2 - 05 September 2014, pp.1031-1036
- XII. **Implementation issues of real time position estimation for induction motors using rotor slot harmonics**
ERTAN H. B. , Keysan O.
2013 4th International Conference on Power Engineering, Energy and Electrical Drives, POWERENG 2013, İstanbul, Turkey, 13 - 17 May 2013, pp.1826-1832
- XIII. **Evaluation of Inductance Measurement Methods for PM Machines**
ERTAN H. B. , ŞAHİN İ.
20th International Conference on Electrical Machines (ICEM), Marseille, France, 2 - 05 September 2012, pp.1672-1678
- XIV. **Comparison of Efficiency of Two dc-to-ac Converters for Grid Connected Solar Applications**
ERTAN H. B. , Dogru E., Yilmaz A.
13th International Conference on Optimization of Electrical and Electronic Equipment, Brasov, Romania, 24 - 26 May 2012, pp.879-886
- XV. **A Proposal for Improving Efficiency of Inverter Driven Electrical Motors**
ERTAN H. B. , Dogru E.
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- XVI. **Higher Order Rotor Slot Harmonics for Rotor Speed & Position Estimation**
Keysan O., ERTAN H. B.
12th International Conference on Optimization of Electrical and Electronic Equipment, Brasov, Romania, 20 - 21 May 2010, pp.416-417
- XVII. **Determination of rotor slot number of an induction motor using an external search coil**
KEYSAN O., ERTAN H. B.
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- XVIII. **Performance Calculation of SR Motors for Optimum Design and a Washing Machine Application**
ERTAN H. B. , Yalciner L. B.
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- XIX. **Identification of parameters of an induction motor from field solution**
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6th International Conference on Electrical Machines and Systems, Beijing, China, 9 - 11 November 2003
- XX. **A new technique for shortening the EMI filter development stage**
Colak B., Ertan H.
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XXI. An induction motor design tool combining analytical and field solution techniques

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XXII. A software for simulation and controller development for high frequency high voltage power supplies

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XXIII. A FIELD ORIENTATION SCHEME FOR VOLTAGE FED INDUCTION MOTOR, WITH CLOSED LOOP PHASE ANGLE CONTROL

NALCACI A., ERTAN H.

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Supported Projects

ERTAN H. B. , Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

Citations

Total Citations (WOS):334

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