

Prof. NAİM DEREBAŞI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-2254-2021

Yoksis Researcher ID: 1715

Education Information

Doctorate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, Turkey 2011 - 2015

Post Doctorate, University of Wales, Cardiff, Engineering , Electrical and Electronic Eng., United Kingdom 1998 - 2001

Doctorate, University of Wales College of Cardiff, Engineering, Electrical and Electronic Eng. , United Kingdom 1989 - 1994

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (YI) (Tezli), Turkey 1986 - 1988

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1980 - 1986

Biography

Orhangazi'de doğdu. İlk ve orta öğrenimini Orhangazi ve Gemlik'de tamamladıktan sonra Bursa, Demirtaş Teknik Lisesi, Elektrik Bölümü'nden mezun oldu. Daha sonra Orta Doğu Teknik Üniversitesi, Fizik Bölümü'nü 1986 yılında tamamladı. Aynı yıl Uludağ Üniversitesi Fizik Bölümü'nde Yüksek Lisans'a ve araştırma görevlisi olarak çalışmaya başladı. Yüksek Lisans öğrenimini tamamladıktan sonra YÖK bursu ile İngiltere'ye doktora için gönderildi. Doktorasını manyetizma ve ileri manyetik malzemeler konularında Cardiff Üniversitesi, Elektrik Elektronik Mühendisliği'nde, (Wolfson Centre Magnetics Technology) 1994 yılında tamamladı. Doktoradan sonra U.Ü., Fizik Bölümü'nde Öğretim Görevlisi ve Yardımcı Doçent olarak görev aldı, çeşitli fizik ve elektromanyetik ile ilgili konularda dersler verdi. 1996 yılında başlayan ve iki yıl devam eden Tübitak tarafından desteklenen üniversite –sanayi işbirliği kapsamındaki **“TİDEP305 Transformatör çekirdeklerinde üretim yöntemlerinin geliştirilmesine ve kullanılan ileri malzemeye bağlı olarak verimin artırılması”** isimli projenin yürütücülüğünü yaptı. 1997 yılında Doçent oldu. Aynı yıl **“Royal Society”** bursu ile Wolfson Centre Magnetics Technology araştırma merkezinde 2 ay **‘Amorf ferromanyetik teller’** konusunda araştırma yaptı. 1998 yılından itibaren aynı araştırma merkezinde İngiliz, “Engineering and Physical Sciences Research Council (EPSRC)” ve sanayi kuruluşu “TELMAG” firması tarafından desteklenen ve bittiğinde ***mükemmele en yakın proje*** olarak derecelendirilen **“Geometrical factors affecting the performance of magnetic wound cores in medium to high frequency”** konulu projede iki yıl doktora sonrası araştırmacı olarak çalıştı. Bu projede elektrik çelikleri, güç kayıpları, transformatörlerde verim, ileri manyetik malzemeler (elektrik çelikleri, amorf şerit ve teller, nanokristal maddeler, kompozit maddeler) gibi konular üzerinde araştırma yaptı. Bunların dışında 4 Üniversite 1 DPT projesi tamamladı. Yapay zeka ile manyetik özelliklerin tahmin edilmesini Dünya'da ilk uygulayanlardan oldu. 10 yüksek lisans ve

8 doktora öğrencisinin yetişmesine danışmalık yaptı. 2003 yılında profesör oldu. Konusunda yaptığı araştırmaları sunmak amacıyla çeşitli ülkelerde uluslararası konferanslara katıldı ve 250'ye yakın makale ve bildirisini yayınladı. Yaptığı yayınlara 400'den fazla atıf aldı. 2008 yılından sonra termoelektrik ve termoelektrik maddeler ile ilgili uluslararası projede çalışmaya başladı. Bu proje kapsamında sonlu elemanlar yöntemi, yapay zeka gibi sayısal teknikler uygulanarak dünyada ilk kez çok verimli bir **termoelektrik soğutma modülü** araştırma ekibi ile birlikte geliştirildi. Yapay sinir ağlarını termoelektrik modüle performansının geliştirilmesi için dünyada ilk uygulayan oldu. Termoelektrik soğutma modülü konusunda Mart 2015 yılında Uludağ Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı'nda ikinci doktorasını tamamladı. 2007 yılında düzenli olarak katılmış olduğu bu konferanslardan '**Soft Magnetic Materials (SMM)**' konferansının uluslararası yürütme kuruluna seçildi. '**European Magnetic Sensors and Actuators (EMSA)**' konferansını 2010 yılında Bordum'da başarı ile düzenledi. 2018 yılında Manyetizma konusunda "**Manyetizma, Manyetik Maddeler ve Uygulamaları**" adında Türkçe kitabı yayımlandı ve **BCA Times** tarafından verilen Bilim ve Teknik Araştırma dalında "**2018 yılı Altın Kalem Ödülünü**" kazandı. 2022 yılında "**Manyetik Algılayıcılar**" kitabı yayımlandı ve yine **BCA Times** tarafından verilen bilim dalında "**2022 yılı Altın Kalem Ödülünü**" ikinci kez kazandı. Bölüm Başkan yardımcılığı, katıhal fiziği anabilim dalı başkanlığı, bölüm başkanlığı, dekan yardımcılığı, dekanlık gibi idari görevlerde ve çeşitli akademik kurullarda bulundu. Evli ve iki çocuk babasıdır. İyi derecede İngilizce ve kısmen de Almanca bilmektedir.

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Termoelektrik soğutma hücrelerinde geometrik yapısal etkilerin incelenmesi, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2015

Doctorate, Effect of tension and surface properties on magnetic domains and power loss in amorphous ribbons, University of Wales College of Cardiff, Engineering Faculty, Electrical Electronic Engineering, 1994

Postgraduate, Zayıf alan çift rezonans spektrometresi ve bileşenlerinin yapımı, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1988

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2003 - Continues

Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1997 - 2003

Expert PhD, University of Wales College of Cardiff, Engineering, Electrical Electronic Engineering, 1998 - 2000

Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1995 - 1997

Lecturer, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1994 - 1995

Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1987 - 1994

Courses

Undergraduate

Elektromanyetik Teori, Undergraduate, 2020 - 2021

Elektronige Giriş, Undergraduate, 2018 - 2019

Manyetizma ve Uygulamaları, Undergraduate, 1996 - 1997

Sensörler, Undergraduate, 1996 - 1997

Supervised Theses

Derebaşı N., Investigation of magnetic flux distribution due to hole geometry in electrical steels, Postgraduate, Ç.ERDÖNMEZ(Student), 2018

Derebaşı N., The effects of temperature on properties of solid state lasers, Postgraduate, İ.KAHRAMAN(Student), 2017

Derebaşı N., Investigation of giant magneto impedance effect on ferromagnetic amorphous wires coated with chemicals to the surface, Doctorate, O.ÇAYLAK(Student), 2016

Derebaşı N., Investigation of localised flux distribution with applied force on amorphous toroidal transducer, Postgraduate, M.KEMAL(Student), 2016

Derebaşı N., Effect to the energy efficiency and magnetic flux density distribution on geometrical structure in transformer cores, Doctorate, T.GÜNEŞ(Student), 2016

Derebaşı N., Modelling of the hysteresis curve of nanocrystalline magnetic toroidal cores, Doctorate, M.CÜNEYT(Student), 2011

Derebaşı N., Modeling of the effect of physical dimensions of thermoelectric moduls on thermoelectric cooling capacity using finite element method, Postgraduate, F.GÜLDİKEN(Student), 2011

Derebaşı N., Investigation of structural changes and gmi effect by geometric and anisotropic properties of co-based amorphous ribbons, Doctorate, A.AYTEN(Student), 2010

Derebaşı N., Investigation of giant-magneto impedance effect in ferromagnetic amorphous wires, Postgraduate, O.ÇAYLAK(Student), 2008

Derebaşı N., Investigation of electrical properties of metal/Si and metal/Si_{1-x}Gex/Si Schottky barrier diodes, Doctorate, K.ERTÜRK(Student), 2007

Derebaşı N., Theoretical and experimental investigation of magnetic flux density distribution at joints of stacked electrical steels and amorphous ribbons used transformer cores, Doctorate, S.ERDEM(Student), 2006

Derebaşı N., Prediction of magnetic performance of toroidal wound cores using artificial neural networks, Postgraduate, N.ARSLAN(Student), 2004

Derebaşı N., Investigation of experimental and theoretical magnetic properties of toroidal cores depending on magnetising frequency and geometric structure, Doctorate, İ.KÜÇÜK(Student), 2003

Derebaşı N., Magnetic properties of toroidal wound cores made from different magnetic materials at 50 Hz induction frequency, Postgraduate, M.ZEYBEK(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **COOLING PERFORMANCE OF THERMOELECTRIC COOLER MODULES: EXPERIMENTAL AND NUMERICAL METHODS**
Kahraman İ., Derebaşı N.
ISI BILIMI VE TEKNIGI DERGISI/ JOURNAL OF THERMAL SCIENCE AND TECHNOLOGY, vol.42, no.2, pp.233-244, 2022 (SCI-Expanded)
- II. **Experience of Using a Neural Network for Magnetic Cores Testing**
DEREBAŞI N.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.34, no.5, pp.1409-1414, 2021 (SCI-Expanded)
- III. **Quantitative Analysis of Magnetic Field Distribution Around Circular Non-Magnetic Region in Grain-Oriented Fe-3% Si Steel**
Gunes T., Schaefer R., DEREBAŞI N.

IEEE TRANSACTIONS ON MAGNETICS, vol.54, no.2, 2018 (SCI-Expanded)

- IV. **Influence of Hole Geometry on Magnetic Flux Density Distribution in LaserCut Non-oriented Electrical Steels at Power Frequencies**
Erdonmez C., DEREBAŞI N., Gunes T.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.11, pp.3309-3313, 2017 (SCI-Expanded)
- V. **Influence of Hole Size and Cutting Method on Localised Flux Density Distribution Around a Hole in Non-oriented Electrical Steels**
DEREBAŞI N., Erdonmez C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.6, pp.1643-1648, 2017 (SCI-Expanded)
- VI. **Performance of Novel Thermoelectric Cooling Module Depending on Geometrical Factors**
DEREBAŞI N., Eltez M., Guldiken F., Sever A., Kallis K., Kilic H., Ozmutlu E. N.
JOURNAL OF ELECTRONIC MATERIALS, vol.44, no.6, pp.1566-1572, 2015 (SCI-Expanded)
- VII. **Influence of Geometrical Factors on Performance of Thermoelectric Material Using Numerical Methods**
DEREBAŞI N., Eltez M., Guldiken F., Sever A., Kallis K., Kilic H.
JOURNAL OF ELECTRONIC MATERIALS, vol.44, no.6, pp.2068-2073, 2015 (SCI-Expanded)
- VIII. **Influence of Organic Coating on the Giant Magneto Impedance Characteristics of Fe-Rich Amorphous Wire**
Caylak O., DEREBAŞI N.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.28, no.3, pp.767-771, 2015 (SCI-Expanded)
- IX. **Effect of Geometrical Factors on Magnetic Induction Distribution of Toroidal Cores Using Numerical Methods**
Derebasi N.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.28, no.3, pp.761-765, 2015 (SCI-Expanded)
- X. **Localized Flux Density Distribution Around a Hole in Non-Oriented Electrical Steels**
GÜNEŞ T., DEREBAŞI N., Erdonmez C.
IEEE TRANSACTIONS ON MAGNETICS, vol.51, no.1, 2015 (SCI-Expanded)
- XI. **Giant Magnetoimpedance Effect: Concept and Prediction in Amorphous Materials**
DEREBAŞI N.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.4, pp.1075-1078, 2013 (SCI-Expanded)
- XII. **Changing of Geometry Related Magnetic Flux Distribution in Electrical Steels Used in Transformer Cores**
ERDEM S., DEREBAŞI N.
SENSOR LETTERS, vol.11, no.1, pp.122-124, 2013 (SCI-Expanded)
- XIII. **Interlaminar Flux Density Distribution at Joints of Overlapping Stacked Electrical Steel and Amorphous Ribbons**
ERDEM S., DEREBAŞI N.
JOURNAL OF MAGNETICS, vol.15, no.4, pp.190-193, 2010 (SCI-Expanded)
- XIV. **Giant magneto-impedance effect in diamagnetic organic thin film coated amorphous ribbons**
PEKSÖZ A., Kaya Y., Taysioglu A. A., DEREBAŞI N., Kaynak G.
SENSORS AND ACTUATORS A-PHYSICAL, vol.159, no.1, pp.69-72, 2010 (SCI-Expanded)
- XV. **Giant Magneto-Impedance Effect in Thin Zinc Oxide Coated on Co-Based (2705 X) Amorphous Ribbons**
Taysioglu A. A., Kaya Y., Peksöz A., Akay S. K., Derebaşı N., Irez G., Kaynak G.
IEEE TRANSACTIONS ON MAGNETICS, vol.46, no.2, pp.405-407, 2010 (SCI-Expanded)
- XVI. **GMI effect in CuO coated Co-based amorphous ribbons**
Taysioglu A. A., PEKSÖZ A., Kaya Y., DEREBAŞI N., Irez G., Kaynak G.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.487, pp.38-41, 2009 (SCI-Expanded)
- XVII. **Dynamic hysteresis modelling for nano-crystalline cores**
KÜÇÜK İ., HACIİSMAİLOĞLU M. C., DEREBAŞI N.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.2, pp.3188-3190, 2009 (SCI-Expanded)

- XVIII. **Prediction of dynamic hysteresis loops of nano-crystalline cores**
Hacısmailoğlu M. C., Küçük İ., Derebaşı N.
EXPERT SYSTEMS WITH APPLICATIONS, vol.36, no.2, pp.2225-2227, 2009 (SCI-Expanded)
- XIX. **Mathematical model for cutting effect on magnetic flux distribution near the cut edge of non-oriented electrical steels**
PEKSÖZ A., ERDEM S., DEREBAŞI N.
COMPUTATIONAL MATERIALS SCIENCE, vol.43, no.4, pp.1066-1068, 2008 (SCI-Expanded)
- XX. **2D finite-element analysis of interlaminar flux density distribution at joints of zip-type unicore**
ERDEM S., DEREBAŞI N., Moses A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.304, no.2, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Novel driving method for thermoelectric cooler modules**
Kahraman İ., Derebaşı N.
4th International Eurasian Conference on Science, Engineering and Technology , PROCEEDING BOOK, vol.1, no.1, pp.1126-1133, 2022 (Conference Book)
- II. **Effect of Coating and Annealing on Giant Magneto Impedance in Co and Fe-Based Amorphous Wires**
Derebaşı N.
International Journal of Scientific and Technological Research, vol.6, no.6, pp.34-41, 2020 (Scopus)
- III. **Localised Flux Density Distribution around Different Holes on Electrical Steel: Prediction and Calculation**
Derebaşı N.
International Journal of Scientific and Technological Research, vol.6, no.6, pp.25-33, 2020 (Scopus)
- IV. **Effect of Magnetostriction on Localised Flux Density in Toroidal Amorphous Cores Due To Bending Stress**
Gücüyener İ., Derebaşı N.
International Journal of Scientific and Technological Research, vol.6, no.7, pp.110-114, 2020 (Scopus)
- V. **Effect of geometrical properties on giant magneto impedance of Fe based amorphous ribbons**
KAYA A. A., HACIİSMAİLOĞLU M. C., DEREBAŞI N.
Balkan Physics Letter, Bogazici University Press, vol.16, pp.161060-161065, 2009 (Peer-Reviewed Journal)
- VI. **Effects of post production techniques for amorphous materials on giant magneto impedance**
KAYA A. A., HACIİSMAİLOĞLU M. C., DEREBAŞI N.
Journal of Optoelectronics and Advanced Materials - Symposia, vol.1, no.3, pp.440-442, 2009 (Peer-Reviewed Journal)
- VII. **Cutting effect and surface characterization of as cast and post production treated Fe₄ 3Co₆₈ 2Si₁₂ 5B₁₅ amorphous wires**
Peksöz A., Akay S. K., Ertürk K., Hacısmailoğlu M. C., Derebaşı N., Kaynak Z. G.
Journal of Optoelectronics and Advanced Materials - Symposia, vol.1, pp.355-358, 2009 (Peer-Reviewed Journal)
- VIII. **Prediction of dynamic hysteresis loops in nano crystalline toroidal cores using artificial neural networks**
HACIİSMAİLOĞLU M. C., KAYA A. A., ERTÜRK K., KÜÇÜK İ., DEREBAŞI N.
Journal of Optoelectronics and Advanced Materials - Symposia, vol.1, no.3, pp.487-489, 2009 (Peer-Reviewed Journal)

Books

- I. **Magnetic Sensors**
Derebaşı N.

Cinius Yayınevi, İstanbul, 2022

II. Manyetizma Manyetik Maddeler ve Uygulamaları

Derebaşı N.

Cinius Yayınları, İstanbul, 2018

III. FZK 3406 MANYETİZMA VE UYGULAMALARI LABORATUARI DENEY KILAVUZU

Derebaşı N.

Uludağ Üniversitesi Yayınları, Bursa, 2012

Papers Published in Refereed Scientific Meetings

- I. Comparison of magnetic properties of toroidal cores using in aerospace industry**
Derebaşı N.
7th International Conference on Superconductivity and Magnetism (ICSM2021), Muğla, Turkey, 21 - 27 October 2021, pp.346
- II. CRITICAL MAGNETIC MATERIALS USING IN TRANSFORMER CORES OF AEROSPACE INDUSTRY**
Derebaşı N.
EURO ASIA 8th. INTERNATIONAL CONGRESS ON APPLIED SCIENCES, Toskent, Uzbekistan, 15 - 16 March 2021, pp.114-115
- III. GIANT MAGNETO IMPEDANCE: COATING AND ANNEALING**
DEREBAŞI N.
24th Soft Magnetic Materials Conference, Poznan, Poland, 4 - 07 September 2019
- IV. Localised Flux Density Distribution around Holes on Electrical Steel: Prediction and Calculation**
DEREBAŞI N.
24th Soft Magnetic Materials Conference, 4 - 07 September 2019
- V. Effect of coating and annealing on giant magneto impedance in Co and Fe-based amorphous wires**
DEREBAŞI N., ÇAYLAK O.
6th International Conference on Superconductivity and Magnetism, 29 April - 04 May 2018
- VI. Magnetostriction effect: measurement, prediction and calculation in amorphous ribbon cores**
DEREBAŞI N., Bektaş M. K.
6th International Conference on Superconductivity and Magnetism, 29 April - 04 May 2018
- VII. Estimation of localised flux density distribution around holes on electrical steel using numerical methods**
DEREBAŞI N.
6th International Conference on Superconductivity and Magnetism, Antalya, Turkey, 29 April - 04 May 2018
- VIII. The Magnetic and Magneto-Optical Effects of Laser Cutting and Spark Eroding in Electrical Steels**
GÜNEŞ T., DEREBAŞI N.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017
- IX. An Approach to Relation between Domain Theory and Engineering Applications:Hole Impact at Transformer Core Joints**
GÜNEŞ T., DEREBAŞI N.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017
- X. Transformer Core Design Depending on Magnetic Properties and Microstructures of Goss Texture Fe-3Si Steel**
GÜNEŞ T., DEREBAŞI N.
23rd Soft Magnetic Materials Conference, 10 - 13 September 2017
- XI. Influence of Magnetostriction on Localised Flux Density Distribution in Different Type of Amorphous Cores**
DEREBAŞI N., Bektaş M. K.
International Conference on Oxide Materials for Electronic Engineering –fabrication, properties and applications OMEE-2017, 29 May - 02 June 2017

- XII. **Localised Flux Density Variation Around a Different Type Holes on Electrical Steel Using Numerical Methods**
DEREBAŞI N.
International Conference on Oxide Materials for Electronic Engineering – fabrication, properties and applications OMEE-2017, 29 May - 02 June 2017
- XIII. **Effect of magnetostriction of localised flux density on amorphous bent cores**
DEREBAŞI N., Bektaş M. K., Çaylak O.
11th European Magnetic Sensors and Actuators, Torino, 24 - 30 July 2016
- XIV. **An approach for lamination transformer core design relation between magnetic properties and microstructure in Fe 3 Si steel**
GÜNEŞ T., Schaefer R., DEREBAŞI N.
11th European Magnetic Sensors and Actuators Conference, 12 - 15 July 2016
- XV. **Influence of annealing on giant magneto impedance in Co and Fe based ZnO coated amorphous wires**
DEREBAŞI N., Çaylak O.
11th European Magnetic Sensors and Actuators Conference, 12 - 15 July 2016
- XVI. **Estimation of localised flux density distribution around different type geometrical holes on NO electrical steel using numerical methods**
DEREBAŞI N.
11th European Magnetic Sensors and Actuators Conference, 12 - 15 July 2016
- XVII. **Effect of coating with different chemicals on giant magneto impedance in Co and Fe based amorphous wires**
Çaylak O., DEREBAŞI N.
11th European Magnetic Sensors and Actuator Conference, 12 - 15 July 2016
- XVIII. **Investigation of magnetic properties and domain structures of Fe 3 Si steel in terms of Hole Impact and energy efficiency**
GÜNEŞ T., Schaefer R., DEREBAŞI N.
11th European Magnetic Sensors and Actuators Conference, 12 - 15 July 2016
- XIX. **Influence of Hole Geometry on Magnetic Flux Density Distribution in Laser Cut Non oriented Electrical Steels at Power Frequencies**
Erdönmez Ç., DEREBAŞI N., GÜNEŞ T.
5th International Conference on Superconductivity and Magnetism, 24 - 30 April 2016
- XX. **PREDICTION OF FLUX DENSITY DISTRIBUTION AROUND A HOLE MAKING WITH DIFFERENT CUTTING METHODS ON NO ELECTRICAL STEEL USING NUMERICAL METHODS**
DEREBAŞI N.
5th International Conference on Superconductivity and Magnetism, 24 - 30 April 2016
- XXI. **Influence of Hole Size and Cutting Method on Localised Flux Density Distribution around a Hole in NO Electrical Steels**
DEREBAŞI N., Erdönmez Ç.
5th International Conference on Superconductivity and Magnetism, 24 - 30 April 2016
- XXII. **EFFECT OF HOLE GEOMETRY ON FLUX DENSITY DISTRIBUTION IN ABRASIVE WATERJET CUTTING NON ORIENTED ELECTRICAL STEELS AT POWER FREQUENCIES**
DEREBAŞI N., Erdönmez Ç.
5th International Conference on Superconductivity and Magnetism, 24 - 30 April 2016
- XXIII. **EFFECT OF HOLE SIZE ON FLUX DENSITY DISTRIBUTION IN ABRASIVE WATERJET CUT NON ORIENTED ELECTRICAL STEELS AT POWER FREQUENCIES**
DEREBAŞI N., Erdönmez Ç.
5th International Conference on Superconductivity and Magnetism, 24 - 30 April 2016
- XXIV. **Magnetic Behavior of poly (Divinylbenzene)/BAFE12019 and FE304 Nanocomposites**
AKAY S. K., PEKSÖZ A., KARA A., DEREBAŞI N.
21th Soft Magnetic Conference, Budapest, Hungary, 1 - 04 April 2013
- XXV. **Changing of Geometry Related Magnetic Flux Distribution in Electrical Steels Used in Transformer**

Cores

ERDEM S., DEREBAŞI N.

Emsa 2010, 4 - 07 July 2010

- XXVI. **Mathematical model for cutting effect on magnetic flux distribution near the cut edge of non oriented electrical steels**
PEKSÖZ A., ERDEM S., DEREBAŞI N.
Soft Magnetic Materials Conference (SMM18), 2 - 05 September 2007
- XXVII. **Giant magneto impedance effect in as-cast and post production treated Fe_{4.3}Co_{68.2}Si_{12.5}B₁₅ amorphous wires**
Caylak O., DEREBAŞI N.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.773
- XXVIII. **Normal flux density distribution at joints of overlap stacked electrical steel laminations**
ERDEM S., DEREBAŞI N.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.772
- XXIX. **Power loss and permeability prediction, sensitivity analysis on toroidal transformer cores using artificial neural networks**
KÜÇÜK İ., DEREBAŞI N.
6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.715
- XXX. **2D finite element analysis of interlaminar flux density distribution at joints of zip type unicore**
ERDEM S., DEREBAŞI N., Moses A.
17 th Soft Magnetic Materials Conference, 7 - 09 September 2005

Supported Projects

Derebaşı N., Project Supported by Higher Education Institutions, AMORF ŞERİT VE TELLERDE YÜZEYİN YALITKAN KAPLANMASININ ÇOK BÜYÜK MANYETİK EMPEDANSA ETKİSİNİN İNCELENMESİ, 2009 - 2011

Derebaşı N., Project Supported by Other Official Institutions, Toroid manyetik nüvelerin enerji kayıplarının incelenmesi, 2002 - 2008

Moses A. J., Derebaşı N., Universities of Other Countries Supported Project, Geometrical factors affecting the performance of magnetic wound cores in medium to high frequency, 1998 - 2001

Derebaşı N., TUBITAK Project, Transformatör çekirdeklerinde üretim yöntemlerinin geliştirilmesine ve kullanılan ileri malzemeye bağlı olarak verimin artırılması, 1996 - 1998

Metrics

Publication: 65

Citation (WoS): 172

Citation (Scopus): 180

H-Index (WoS): 5

H-Index (Scopus): 6

Awards

Derebaşı N., Altın Kalem Ödülü 2018, Bca Times, May 2018

Derebaşı N., Tending to Outstanding, Engineering And Physical Sciences Research Council (Epsrc) , January 2002