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Education Information

Doctorate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Fizik, Turkey 2002 - 2006

Karadeniz Technical University, Fen Edebiyat Fakültesi, Fizik, Turkey 2000 - 2002

Undergraduate, Ondokuz Mayıs University, Fen Edebiyat Fakültesi, Fizik, Turkey 1993 - 1997

Advising Theses

İNANIR F., Farklı akı Dinamiği Etkileri için Yüksek Sıcaklık Süperiletken Mikrodalga Yüzey Direncinin Modellenmesi, Doctorate, Ş.Yıldız(Student), 2016

İNANIR F., Düşük Manyetik Alan Algılama için Hızlı Söndürmeli Manyetik Alaşım Geliştirme, Postgraduate, E.Küçük(Student), 2016

İNANIR F., Grafenin Güneş Pili Potansiyelinin yoğunluk fonksiyoneli Kuramı (DFT) ile Araştırılması, Postgraduate, A.Kara(Student), 2016

İNANIR F., İkinci Kuşak Giydirilmiş İletkenlerden Dizayn Edilen Çok Tabakalı HTSC Güç İletim Kablolarında Altlık Manyetizmasının AC Kayıplara Etkisi, Postgraduate, H.Kanbur(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Electro-thermal dynamics in superconducting generators: An In-Depth investigation of AC losses and cooling techniques for a 10 MW rotor coil system**
Erciyas A., Yıldız Ş., İNANIR F.
Physica C: Superconductivity and its Applications, vol.626, 2024 (SCI-Expanded)
- II. **Conceptual Design and Sensitivity Analysis of MRI Magnets From REBCO HTS Tapes**
Boran Y., Kara H., Inanir F., Yıldız S.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.32, no.8, 2022 (SCI-Expanded)
- III. **AC Loss Evaluation of a Superconducting Pancake Coil with Coated Conductors using an Extended A-V Formulation**
İNANIR F., TERZİOĞLU R.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.587, 2021 (SCI-Expanded)
- IV. **A Comparative Study of AC Transport and Eddy Current Losses for Coil Made of HTS Tapes Coated with Copper Stabilizer**
ERDOĞAN M., TUNÇ S., YILDIZ Ş., İNANIR F.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.11, pp.3277-3283, 2017 (SCI-Expanded)
- V. **AC Loss Analysis of HTS Pancake Coil of Coated Superconductors with Ferromagnetic Substrate**

ERDOĞAN M., TUNÇ S., İNANIR F.

JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.7, pp.1993-1999, 2017 (SCI-Expanded)

- VI. **Numerical study of AC loss of two-layer HTS power transmission cables composed of coated conductors with a ferromagnetic substrate**
Yıldız Ş., İNANIR F., Çiçek A., Gomory F.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.5, pp.3528-3539, 2017 (SCI-Expanded)
- VII. **Two-Dimensional Finite-Element Analysis of Pinning-Induced Stress in HTS Power Transmission Cables Made of 2G Superconducting Tapes With and Without Magnetic Substrate**
ERDOĞAN M., YILDIZ Ş., ÇİÇEK A., İNANIR F.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.26, no.6, 2016 (SCI-Expanded)
- VIII. **A Comparative Study for Optimization of Sensitivity and Noise Levels in Race-Track Sensors**
Özkök E., Can H., İnanır F., Topal U.
Journal Of Superconductivity And Novel Magnetism, vol.30, no.12, pp.3555-3557, 2016 (SCI-Expanded)
- IX. **A Novel Method for Numerical Analysis of Microwave Surface Resistance of Type-II Superconductors**
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- X. **Influences of Ferromagnetic Substrate on Microwave Surface Resistance of Type-II Superconductors**
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- XI. **Comparison of AC losses in Multilayer Superconducting Power Transmission Cables**
Erdoğan M., İNANIR F.
Jokull, vol.65, no.7, pp.207-214, 2015 (SCI-Expanded)
- XII. **Alternating-current losses in two-layer superconducting cables consisting of second-generation superconductors coated by U-shaped ferromagnetic materials**
Çiçek A., İNANIR F., Goemoery F.
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- XIII. **Magnetization of Gd diffused YBa₂Cu₃O_{7-x} superconductor: Experiment and theory**
İNANIR F., Yildiz Ş., Ozturk K., Çelebi S.
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- XIV. **A theoretical study for temperature dependence of levitation force of high-T_c superconductors**
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PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.485, pp.30-34, 2013 (SCI-Expanded)
- XV. **AC Losses in Coil Wound From Round Wire Coated by a Superconducting Layer**
Goemoery F., İNANIR F.
IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY, vol.22, no.3, 2012 (SCI-Expanded)
- XVI. **Study of microwave surface resistance of type-II superconductors carrying transport current**
Yildiz Ş., İNANIR F., Kolemen U.
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol.248, no.6, pp.1477-1482, 2011 (SCI-Expanded)
- XVII. **Effects of Meissner surface current on the microwave surface resistance of type-II superconductors**
Yildiz Ş., İNANIR F., Koelemen U.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.470, pp.575-581, 2010 (SCI-Expanded)
- XVIII. **Role of coexistence of superconductivity and paramagnetism in magnetostriction of High-T_c superconductors**
İNANIR F.
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.152, pp.63-70, 2008 (SCI-Expanded)
- XIX. **An extended model for coexistence of superconductivity and paramagnetism in high-T_c superconductors**
İNANIR F.
COMMUNICATIONS IN THEORETICAL PHYSICS, vol.49, no.6, pp.1631-1634, 2008 (SCI-Expanded)
- XX. **Effect of transport current on the pinning induced magnetostriction of type-II superconductors**

- İNANIR F., erdoğan M.
ACTA PHYSICA POLONICA A, vol.113, no.2, pp.741-752, 2008 (SCI-Expanded)
- XXI. **Modeling of normal-state like contribution on the pinning induced magnetostriction**
Inanir F., Okutan M., Yakuphanoglu F.
Physica C: Superconductivity and its Applications, vol.468, no.1, pp.39-46, 2008 (SCI-Expanded)
- XXII. **The viscous flux-flow effect on the pinning induced magnetostriction of type II superconductors**
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AIP Conf. Proc., vol.899, no.596, 2007 (SCI-Expanded)
- XXIII. **Critical state magnetostriction of type-II superconductors under viscous flux flow**
Inanir F., Çelebi S., Altunbaş M., Okutan M., Erdogan M.
Physica C: Superconductivity and its Applications, vol.459, pp.11-17, 2007 (SCI-Expanded)
- XXIV. **Coexistence of critical and normal state magnetostrictions in type II superconductors: A model exploration**
ÇELEBİ S., İNANIR F., LeBlanc M. A. R.
JOURNAL OF APPLIED PHYSICS, vol.101, no.1, 2007 (SCI-Expanded)
- XXV. **Model calculations for the high-field peak of the fish-tail effect in the magnetostriction of type-II superconductors**
İNANIR F., Çelebi S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.427, pp.1-4, 2006 (SCI-Expanded)
- XXVI. **Space charge limited conduction and determination of density of localised states in semiconductor cobalt doped TiO₂**
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MATERIALS SCIENCE AND TECHNOLOGY, vol.22, pp.123-126, 2006 (SCI-Expanded)
- XXVII. **Contribution of the Meissner current to the magnetostriction in a high T_c superconductor**
Çelebi S., İNANIR F., LeBlanc M. A. R.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, vol.18, no.1, pp.14-17, 2005 (SCI-Expanded)
- XXVIII. **Ac losses in Ni-doped Bi_{1.6}Pb_{0.4}Sr₂(Ca_{1-x}Ni_x)₂Cu₃O₇ delta ceramic superconductors**
ÇELEBİ S., Malik A., Inanir F., Halim S.
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- XXIX. **Effect of Nd doping on the grain-matrix contribution to ac losses in sintered Bi_{1.6}Pb_{0.4}Sr₂(Ca_{1-x}Nd_x)₂Cu₃O₇ superconductors**
Çelebi S., Malik A., İNANIR F., Halim S. A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.370, no.1, pp.69-74, 2004 (SCI-Expanded)

Articles Published in Other Journals

- I. **Magnetic Hysteresis Loss Calculations of HTS Coil under Rotating Magnetic Fields**
Tunç S., İNANIR F.
Materials Science Forum, vol.915, pp.83-89, 2018 (Scopus)

Books & Book Chapters

- I. **Comparison of alternating-current losses in two-layer superconducting cables constructed by shell-type and solid-core cylindrical wires**
İnanır F.
in: PROGRESS IN EXERGY, ENERGY AND ENVIRONMENT, Prof. Dr. İbrahim Dinçer, Editor, Springer, London/Berlin, Berlin, pp.447-452, 2014
- II. **Influences of ferromagnetic deflectors between layers of superconducting power transmission cables on transport current losses"**

İnanır F.

in: PROGRESS IN EXERGY, ENERGY AND ENVIRONMENT, Prof. Dr. İbrahim Dinçer, Editor, Springer, London/Berlin , Berlin, pp.453-458, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **Numerical Analysis of Temperature Distribution of Superconducting Coil Stack**
İNANIR F., BAK B., YILDIZ Ş., KEYSAN O.
ISMSIT 2017, Tokat, Turkey, 2 - 04 November 2017
- II. **The Effect of Ti Content on Mechanical and Microstructural Properties of Melt Spun Al-Si Alloys powdered by Cryomilling**
YILDIZ Ş., YILMAZ F., İNANIR F., UZUN O.
ISMSIT 2017, Tokat, Turkey, 2 - 04 November 2017
- III. **Finite Element Analysis of Electro-Mechanical Properties of Superconducting Coil Stack**
YILDIZ Ş., KAÇAN G. Ç., İNANIR F.
ISMSIT 2017, Tokat, Turkey, 2 - 04 November 2017
- IV. **Magnetic Levitation Force Measurements on TSMG YBCO and GdBCO**
YILDIZ Ş., İNANIR F., CARDWELL D.
ISMSIT 2017, 2 - 04 November 2017
- V. **Finite Element Analysis of Electro-Mechanical Properties of Superconducting Coil Stack**
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1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 02 November 2017 - 04 January 2018
- VI. **Numerical Analysis of Temperature Distribution of Superconducting Coil Stack**
İNANIR F., Bak B., YILDIZ Ş., KEYSAN O.
1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 02 November 2017 - 04 January 2018
- VII. **Magnetic Levitation Force Measurements on TSMG YBCO and GdBCO**
YILDIZ Ş., İNANIR F., Cardwell D.
International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 02 November 2017 - 04 January 2018
- VIII. **The Effect of Ti Content on Mechanical and Microstructural Properties of Melt Spun Al-Si Alloys powdered by Cryomilling**
YILDIZ Ş., YILMAZ F., İNANIR F., UZUN O.
1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 02 November 2017 - 04 January 2018
- IX. **Magnetic Hysteresis Loss Calculations of HTS Coil under Rotating Magnetic Fields**
Tunç S., İNANIR F.
The Tenth Japanese-Mediterranean Workshop on Applied Electromagnetic Engineering for Magnetic, Superconducting, Multifunctional and Nanomaterials, İzmir, Turkey, 4 - 08 July 2017
- X. **Optimization of Magnetization Losses for Superconducting Coil Stacks Used in Large Wind Turbine Generators**
ERDOĞAN M., KEYSAN O., ÇİÇEK A., YILDIZ Ş., Tunç S., İNANIR F.
2nd INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS (ICES-2016), 21 - 23 December 2016
- XI. **Numerical Optimization of Transport Current Losses for Superconducting Coil Stacks**
İNANIR F., ERDOĞAN M., ÇİÇEK A., YILDIZ Ş.
2nd INTERNATIONAL CONFERENCE ON ENERGY SYSTEMS (ICES-2016), 21 - 23 December 2016
- XII. **Finite Element Analysis of Simultaneous Electromagnetic and Heat Transfer Equations in HTS Coil**
Tunç S., ERDOĞAN M., ÇİÇEK A., KEYSAN O., İNANIR F.
2nd International Conferences on Energy Systems (ICES2016), 21 - 20 December 2016

- XIII. **Süperiletken Bobinlerin Elektromanyetik Davranışı ve Alternatif Akım Kayıplarının Modellenmesi**
Alp M., İNANIR F.
22. Ankara Yoğun Madde Fiziği Toplantısı, Ankara, Turkey, 16 December 2016
- XIV. **A Novel Numerical Approach Pertaining to AV Formulation for the Calculation of AC Losses of HTS Coil Windings**
İNANIR F.
ICSM2016: 5th International Conference on Superconductivity and Magnetism, 24 - 30 April 2016
- XV. **A comparative study for optimization of sensitivity and noise in Race Track Sensors**
emel ö., Can H., İNANIR F., Topal U.
The 5th International Conference of Superconductivity and Magnetism, Muğla, Turkey, 24 - 30 April 2016
- XVI. **A Comparative Study of AC Transport and Eddy Current Losses for Coils Made of HTS Tapes Coated with Coper Stabilizer**
Tunç S., KAM E., Yıldız Ş., İnanir F.
5th International Conference of Superconductivity and Magnetism (ICSM-2016), 01 April 2016
- XVII. **AC Loss Analysis of HTS Pancake Coils Wrapped of Coated Conductors with Ferromagnetic Substrate**
TUNÇ S., İnanir F., KAM E.
The 5th International Conference of Superconductivity and Magnetism (ICSM-2016), 01 April 2016
- XVIII. **Effect of Substrate Ferromagnetism and Arrangement of Tapes on AC loss of HTS Power Transmission Cables**
Kanbur H., Tokçalar S., İNANIR F.
7th Asian Conferences on Applied Superconductivity and Cryogenics- ACASC 2013, 01 October 2013
- XIX. **Effect of bending on microwave surface resistance of type II superconductors**
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- XX. **Finite element modeling of microwave surface resistance of superconductor-ferromagnetic bilayer**
Yıldız Ş., İNANIR F., Çiçek A.
11. European Conference on Applied Superconductivity (EUCAS), 01 September 2013
- XXI. **Numerical Modeling of Microwave Surface Resistance of Type II Superconductors**
Yıldız Ş., İNANIR F., Temiz C., Çelebi S.
Turkish Physics Association, 29th International Physics Conference, 01 September 2012
- XXII. **Microwave Surface Resistance of High-Tc Superconductors near Liquid Nitrogen Temperature**
İNANIR F.
5. Ulusal Süperiletkenler Sempozyumu, 01 July 2011
- XXIII. **Analysis of fishtail effect in the magnetic hysteresis loop for neutron irradiated Sm-123 Superconductors**
Kolemen U., Yıldız Ş., Topal U., İNANIR F.
5. Ulusal Süperiletkenler Sempozyumu, 01 July 2011
- XXIV. **Effect of Flux Creep on Microwave Surface Resistance of Type-II Superconductors**
Yıldız Ş., İNANIR F., Kolemen U.
5. Ulusal Süperiletkenler Sempozyumu, 01 July 2011
- XXV. **A model for temperature Effect on Levitation force of high temperature superconductors**
Yıldız Ş., İNANIR F., Kolemen U., Çelebi S.
International Conference on Superconductivity and Magnetism ICSM-2010, 01 August 2010
- XXVI. **Magnetic Levitation of YBaCuO Superconductor Prepared by Top Seeded Melt Growth Process**
İNANIR F.
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- XXVII. **A Comparative Study of Peak Effect in Microwave Surface Resistance**
İNANIR F., Yıldız Ş., Kolemen U.
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- XXVIII. **II Tip Yüksek Sıcaklık Süperiletkenlerinin Mikro Dalga Yüzey Direncinde Gözlenen Balık Kuyruğu Etkisi**

İNANIR F., Kolemen U.

16. Yoğun Madde Fiziği Ankara Toplantısı, 01 November 2009

- XXIX. **Effect of Meissner Current on the Microwave Surface Resistance of Type – II Superconductors**
Yildiz Ş., İNANIR F., Kolemen U.
4. Ulusal Süperiletkenler Sempozyumu, 01 July 2009
- XXX. **Irreversibility line in a Bi:2223/Ag tape determined by two different technique: H//c axis**
Duzgun İ., Öztürk A., İNANIR F., Küçükömeroğlu t., Çelebi S.
International Conference on Superconductivity and Magnetism ICSM-2008, 01 August 2008
- XXXI. **A model for granular superconductors**
İNANIR F., Duzgun I., Altunbaş M., Çelebi S.
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- XXXII. **DC magnetization and flux creep in a multifilamentary Bi:2223/Ag tape: H?c axis**
Duzgun İ., Öztürk A., İNANIR F., Çelebi S.
International Conference on Superconductivity and Magnetism ICSM-2008, 01 August 2008
- XXXIII. **Transport current effect on microwave surface resistance of type-II superconductors**
İNANIR F., Yıldiz Ş., Kolemen U.
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- XXXIV. **Yüksek-Tc süperiletkenlerin M-H eğrilerinde süperiletkenlik ve manyetizmanın nicel veya yarı nicel analizi**
İNANIR F., Duzgun I., Kolemen U., Altunbaş M., Çelebi S.
14. Yoğun Madde Fiziği Toplantısı Hacettepe Üniversitesi, 01 December 2007
- XXXV. **Gd difüze edilmiş YBa2Cu3O7-x süperiletkenlerin M-H çevrimlerinden denge manyetizasyon (Meq) özelliklerinin analizi**
İNANIR F., Öztürk K., Yıldız Ş., Çelebi S., Yanmaz E.
14. Yoğun Madde Fiziği Toplantısı Hacettepe Üniversitesi, 01 December 2007
- XXXVI. **Kritik haldeki manyetik zorlanıma balık kuyruğu "fish-tail effect" modellenmesi**
İNANIR F., Duzgun I., Çelebi S.
III. Ulusal Yüksek Sıcaklık Süperiletkenler Sempozyumu, 01 August 2007
- XXXVII. **Transport current effect on magnetostriction of Superconductors**
Yildiz Ş., İNANIR F., Kolemen U.
2th International Physics Conference, 01 July 2007
- XXXVIII. **Irriversibility line of Commercial BSCCO:2223/Ag Tapes.**
Duzgun I., Öztürk A., Küçükömeroğlu T., İNANIR F.
2th International Physics Conference, 01 July 2007
- XXXIX. **Investigation of Microwave Surface Resistance of Type-II superconductors in Framework of Critical State Model**
Yildiz Ş., İNANIR F., Kolemen U., Uzun O.
2th International Physics Conference, 01 July 2007
- XL. **Ag2O ilaveli Bi-(Pb)-Sr-CaCu-O süperiletken sisteminde tanelerin hacimsel kesri (fg)'nin manyetik alan ve frekans bağımlılığı**
Duzgun İ., İNANIR F., Çelebi S.
13. Yoğun Madde Fiziği Ankara Toplantısı, 01 December 2006
- XLI. **Ag2O ilaveli Bi-(Pb)-Sr-CaCu-O süperiletken sisteminde manyetik tepki ve eşsıcaklık histeresiz kayıplarının karşılaştırılması**
Duzgun İ., Öztürk A., İNANIR F., Çelebi S.
12. Yoğun Madde Fiziği Ankara Toplantısı, 01 December 2005
- XLII. **Yüksek sıcaklık süperiletkenlerde Meissner akımının manyetik zorlanıma (Magnetostriction) katkısı**
Çelebi S., İNANIR F., LeBlanc M. A. R.
XI. Yoğun madde fiziği toplantısı, 01 December 2004
- XLIII. **II. tip süperiletkenlerde akı çivilenmesi sonucu oluşan manyetik zorlanıma (flux-pinning magnetostriction) normal durum katkısı**

- İNANIR F., Okutan M., Çelebi S.
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- XLIV. **ZnO ilavesinin YBCO süperiletkeninin manyetik davranışı üzerine etkisi**
Öztürk A., Kölemen U., İNANIR F., Çelebi S.
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- XLV. **HTS slab ve silindir malzemelerde akı-çivilenmesi sonucu oluşan magnetikzorlanımın (flux-pinning magnetostriktion) sıcaklık bağımlılığı**
İNANIR F., Çelebi S.
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- XLVI. **Genelleştirilmiş kritik hal modeli ile manyetikzorlanma (magnetostriktion) analizi**
İNANIR F., Öztürk A., Çelebi S.
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- XLVII. **FQM yöntemi ile hazırlanmış ZnO ilaveli YBaCuO malzemelerin Elastik ve Plastik Davranışı**
Kolemen U., Öztürk A., İNANIR F., Uzun O., Çelebi S.
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- XLVIII. **Zn Katkılı YBaCuO Süperiletkenlerin Süperiletkenlik Özellikleri**
Kolemen U., Karal H., Ozturk A., İNANIR F., Cevik U., Nezir S., Çelebi S.
Türk Fizik Derneği 21. Fizik Kongresi, 01 February 2002
- XLIX. **Yüksek sıcaklık Bi_{1.6}Pb_{0.4}Sr₂(Ca_{0.98}Nd_{0.02})₂Cu₃O₇ süperiletkenlerde AC alınganlığın frekans bağılılığı**
Çelebi S., Malik A., İNANIR F., Halim S. A.
II. Yüksek Sıcaklık Süperiletkenler Sempozyumu, 01 July 2001
- L. **Süperiletken silindir malzemelerde alansız ve alanlı soğutma altında kaldırma kuvvetinin modellenmesi**
İNANIR F., Duzgun I., Çelebi S.
Geleneksel Erzurum Fizik günleri

Other Publications

- I. **II. Tip Süperiletkenlerde Oluşan Manyetikzorlanımın (Magnetostriktion) Kritik Hal Modelleri Çerçevesinde Modellenmesi**
İNANIR F.
Other, 2002

Supported Projects

- İnanır F., Keysan O., Yıldız Ş., TUBITAK Project, Farklı Süperiletken Jeneratör Topolojilerinin ve Bileşenlerinin Elektromanyetik Performanslarının Sayısal Yöntemlerle İncelenmesi, 2015 - 2018
- İnanır F., Yıldız Ş., Project Supported by Higher Education Institutions, Üstüniletkenlerin Manyetik Kaldırma Kuvveti Üzerine Deneysel ve Teorik Çalışma, 2014 - 2015
- İnanır F., Yıldız Ş., TUBITAK Project, Sonlu Elemanlar Yöntemi ile Üstüniletken Pasif Mikrodalga Bileşenlerinin Yüzey Direnci Hesaplamaları ile Optimize Edilerek Belirlenmesi için Yeni Bir Yöntem, 2011 - 2013
- İnanır F., TUBITAK Project, İki Tabakalı Yüksek Sıcaklık Üstüniletken Güç İletim Kablolarının Elektromanyetik Dizaynı ve Alternatif Akım Kayıplarının Hesaplanması İçin Yeni Bir Yöntem Geliştirilmesi, 2010 - 2013
- İnanır F., Düzgün İ., Çelebi S., TUBITAK Project, Yüksek Sıcaklık Süperiletken Bi₂223 Ag Şeritlerde AC Kayıpları ve En İyi Çalışma Şartlarının Araştırılması, 2007 - 2009
- İnanır F., Yıldız Ş., Project Supported by Higher Education Institutions, Çeşitli akı dinamiği etkileri için HTSC mikrodalga yüzey direncinin modellenmesi, 2007 - 2009

Metrics

Publication: 83

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Non Academic Experience

Rize Universitesi

Karadeniz Teknik Universitesi

Istanbul Milli EgitiMudurlugu