

Assoc. Prof. SAİT BARIŞ GÜNER

Personal Information

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Education Information

Doctorate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2012 - 2017

Postgraduate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2010 - 2012

Undergraduate, Abant İzzet Baysal Üniversitesi, Fen Edebiyat Fakültesi, Fizik, Turkey 2004 - 2009

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, TUBITAK Proje Eğitimi, Karadeniz Teknik Üniversitesi, 2015

Education Management and Planning, SSEC Bahar Okulu, ICSM 2014, 2014

Education Management and Planning, AUTOCAD 2D Eğitim Kursu, Recep Tayyip Erdoğan Üniversitesi, 2012

Education Management and Planning, Second Road Map Süperiletkenlik Çalıştayı, Ankara Üniversitesi Fizik Bölümü, 2012

Education Management and Planning, İklim Fiziği Yaz Okulu, ITAP Türkiye, 2010

Education Management and Planning, İklim Fiziği Kış Okulu, Feza Gürsey Enstitüsü, 2010

Education Management and Planning, Matlab Eğitim Kursu, Recep Tayyip Erdoğan Üniversitesi, 2010

Education Management and Planning, İklim Fiziği Yaz Okulu, ITAP Türkiye, 2009

Education Management and Planning, İklim Fiziği Kış Okulu, Feza Gürsey Enstitüsü, 2009

Education Management and Planning, Faz Geçişleri ve Renormalizasyon Grubu Yaz Okulu, Feza Gürsey Enstitüsü, 2008

Dissertations

Doctorate, LEVİTASYON UYGULAMALARI İÇİN YBCO TEK KRİSTAL SÜPERİLETKENLERİN ÜRETİMİ VE KARAKTERİZASYONU, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Fizik, 2017

Postgraduate, Zr (ZİRKONYUM) DİFÜZYONUNUN YBa₂Cu₃O_{7-x} SÜPERİLETKENİNİN ELEKTRİK, MANYETİK VE YAPISAL ÖZELLİKLERİNE ETKİLERİ, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Fizik, 2012

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Superconductivity, Natural Sciences

Academic titles / tasks

Associate Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2021 - Continues
Assistant Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2018 - 2021
Research Assistant PhD, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2017 - 2018
Research Assistant, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2009 - 2017

Courses

Advanced Electromagnetic Theory-I, Postgraduate, 2020 - 2021
Solid State Physics, Undergraduate, 2020 - 2021
Climate Physics and Global Warming, Undergraduate, 2020 - 2021
Optics and Waves Laboratory, Undergraduate, 2020 - 2021
Engineering Physics, Undergraduate, 2020 - 2021
Measurement Science, Undergraduate, 2020 - 2021

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

- I. **Magnetic levitation force and trapped field properties of multiseeded YBCO with triangular arrangement of seeds**
ABDİOĞLU M., GÜNER S. B. , ÖZTÜRK K., Yang C., Chen I., ÇELİK Ş.
INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY, 2021 (Journal Indexed in SCI)
- II. **Superconducting and levitation force characterisation of pyrene added MgB₂ bulk superconductors**
Erdem O., GÜNER S. B. , Celik S., KÜÇÜKÖMEROĞLU T.
Cryogenics, vol.112, 2020 (Journal Indexed in SCI)
- III. **Trapped magnetic field and levitation force properties of multi-seeded YBCO superconductors with different seed distance**
Savaşkan B., Guner S. B. , Yamamoto A., Öztürk K.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.829, 2020 (Journal Indexed in SCI)
- IV. **Effects of silver doping on magnetic levitation performance of MgB₂ superconductors**
Guner S. B.
CRYOGENICS, vol.108, 2020 (Journal Indexed in SCI)
- V. **The comparison of levitation and lateral force of bulk and cut-pasted bulk GdBCO samples at different temperatures**
Guner S. B. , ABDİOĞLU M., ÖZTÜRK K., ÇELİK Ş.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.822, 2020 (Journal Indexed in SCI)
- VI. **IR laser line scanning treatments to improve levitation forces in MgTi_{0.06}B₂ bulk materials**
ÖZTÜRK K., AKSOY C., ANGUREL L. A. , SAVAŞKAN B., MARTINEZ E., BADIA-MAJOS A., DE LA FUENTE G. F. , Guner B., Dancer C. E. J. , Celik S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.811, 2019 (Journal Indexed in SCI)
- VII. **Investigation of magnetic force properties between different PMGs and multi-seeded YBCO superconductors with different seed distances**
Abdioglu M., ÖZTÜRK K., Guner S. B. , Celik S., KÜÇÜKÖMEROĞLU T.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.565, 2019 (Journal Indexed in SCI)
- VIII. **An analysis on the relation between the seed distance and vertical levitation force for the multi-seeded YBCO using the modified advanced frozen image (MAFI) and experimental methods**
ÖZTÜRK K., Guner S. B. , Abdioglu M., DEMİRCİ M., Celik S., Cansız A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.805, pp.1208-1216, 2019 (Journal Indexed in SCI)
- IX. **Investigation on superconducting and magnetic levitation force behaviour of excess Mg doped-bulk MgB₂ superconductors**
Guner S. B. , SAVAŞKAN B., ÖZTÜRK K., Celik S., AKSOY C., Karaboga F., Koparan E. T. , Yanmaz E.

CRYOGENICS, vol.101, pp.131-136, 2019 (Journal Indexed in SCI)

- X. **Enhanced Magnetic Levitation and Guidance Force in MgB₂ Bulks by Synthetic Engine Oil Immersion**
SAVAŞKAN B., Koparan E. T. , Guner S. B. , ÖZTÜRK K., Celik S.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.4, pp.827-837, 2019 (Journal Indexed in SCI)
- XI. **Magnetic properties of the welded joined TSMG Y123+x wt% Y211 (x=20 and 30) bulk superconductors**
Cakir B., ÖZTÜRK K., Guner S. B. , Celik S., AYDINER A.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, vol.557, pp.19-25, 2019 (Journal Indexed in SCI)
- XII. **A detailed research for determination of Bi/Ga partial substitution effect in Bi-2212 superconducting matrix on crucial characteristic features**
Guner S. B. , Zalaoglu Y., Turgay T., Ozyurt O., Ulgen A. T. , Dogruer M., Yildirim G.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.772, pp.388-398, 2019 (Journal Indexed in SCI)
- XIII. **Improvement in levitation force performance of bulk MgB₂ superconductors through coronene powder adding**
Erdem O., Abdioglu M., Guner S. B. , Celik S., KÜÇÜKÖMEROĞLU T.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.727, pp.1213-1220, 2017 (Journal Indexed in SCI)
- XIV. **The investigation on the regional nanoparticle Ag doping into MgTi_{0.06}B₂ bulk for improvement the magnetic levitation force and the bulk critical current**
ÖZTÜRK K., Dancer C. E. J. , SAVAŞKAN B., AKSOY C., Guner B., Badica P., ALDICA G., Celik S.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.724, pp.427-434, 2017 (Journal Indexed in SCI)
- XV. **The investigation of magnetic levitation performances of single grain YBCO at different temperatures**
Guner S. B. , Celik S., Tomakin M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.705, pp.247-252, 2017 (Journal Indexed in SCI)
- XVI. **Lateral Force Measurements for (Gd₁₂₃)(1-x) : (Gd₂₁₁) (x) Superconductors at Different Temperatures**
Guner S. B. , Celik S., Cansız A., ÖZTÜRK K.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.30, no.5, pp.1335-1343, 2017 (Journal Indexed in SCI)
- XVII. **The size effect on the magnetic levitation force of MgB₂ bulk superconductors**
SAVAŞKAN B., Koparan E. T. , Guner S. B. , Celik S., Yanmaz E.
CRYOGENICS, vol.80, pp.108-114, 2016 (Journal Indexed in SCI)
- XVIII. **Effects of Bi-2212 addition on the levitation force properties of bulk MgB₂ superconductors**
Koparan E. T. , SAVAŞKAN B., Guner S. B. , Celik S.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.122, no.2, 2016 (Journal Indexed in SCI)
- XIX. **Effect of Adding on the Critical Current Density and Lateral Levitation Force of Bulk**
SAVAŞKAN B., Koparan E. T. , Guner S. B. , Celik S., ÖZTÜRK K., Yanmaz E.
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.181, pp.38-48, 2015 (Journal Indexed in SCI)
- XX. **High-Field Pinning Potential in YBCO Films with Nanoengineered Pinning Centres**
COLLAZOS J. C. , Guner S. B. , Celik M. E. , OPREA A., Gencer A., Crisan A.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.28, no.2, pp.355-360, 2015 (Journal Indexed in SCI)
- XXI. **Comparison of Levitation Forces of Bulk MgB₂ Superconductors Produced by Nano Boron and Carbon-Doped Nano Boron**
Duz I., Guner S. B. , Erdem O., DEMİR İ., Kapucu V., CELIK S., ÖZTÜRK K., HOSSAIN S., Gencer A., Yanmaz E.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.27, no.10, pp.2241-2247, 2014 (Journal Indexed in SCI)
- XXII. **Effects of Initial Cooling Conditions and Measurement Heights on the Levitation Performance of Bulk MgB Superconductor at Different Measurement Temperatures**
Erdem O., ÖZTÜRK K., Guner S. B. , CELIK S., Yanmaz E.
JOURNAL OF LOW TEMPERATURE PHYSICS, vol.177, pp.28-39, 2014 (Journal Indexed in SCI)

- XXIII. **Effect of zirconium diffusion on the microstructural and superconducting properties of YBa₂Cu₃O_{7- δ} superconductors**
Guner S. B. , Gorur O., CELIK S., Dogruer M., Yildirim G., Varilci A., Terzioglu C.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.540, pp.260-266, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Effect of Gd₂11 Addition on the Vertical Levitation Force of Gd₁23 Superconductors**
GÜNER S. B.
Sakarya University Journal of Science, vol.24, no.1, pp.110-120, 2020 (Other Refereed National Journals)
- II. **MgB₂ Külçe Örneklerine SiC Eklenmesi ile Manyetik Kaldırma ve Kılavuzlama Kuvvetinin İyileştirilmesi**
SAVAŞKAN B., GÜNER S. B. , TAYLAN KOPARAN E.
Karaelmas Fen ve Mühendislik Dergisi, vol.8, no.2, pp.595-601, 2018 (Other Refereed National Journals)
- III. **A CHARACTERIZATION STUDY ON 4 AMINO 3 5 DIALKYL 1 TRIAZOLE BY DENSITY FUNCTIONAL THEORY AND AB INITIO HARTREE FOCK CALCULATIONS**
ZALAOĞLU Y., YILDIRIM G., ÜLGEN A. T. , GÜNER S. B. , TERZİOĞLU C.
ODU FEN VE MÜHENDİSLİK DERGİSİ/ODU FEN VE MÜHENDİSLİK DERGİSİ, vol.1, no.1, pp.36-49, 2011 (Other Refereed National Journals)

Books & Book Chapters

- I. **Investigation of Sintering Temperature on the Structural, Electrical and Magnetic Properties of MgB₂ Samples**
GÜNER S. B.
in: INNOVATIVE APPROACHES IN SCIENCE AND MATHEMATICS, Prof. Dr. Hüsnüye AKA SAĞLIKER, Doç. Dr. Sadık ÇOĞAL, Doç. Dr. Seçkin KÖROĞLU, Editor, Gece Akademi, Ankara, pp.51-62, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **The Effect of Seed Distance on the Lateral Guidance Force of Multi-Seeded YBCO Superconductors**
GÜNER S. B. , ABDİOĞLU M.
4th International Symposium on Innovative Approaches in Engineering and Natural Sciences Proceedings, 22 - 24 November 2019, pp.134-138
- II. **The Magnetic Levitation Force Performance of YBCO Bulk by Top Seeded Infiltration Growth at Different Temperatures**
GÜNER S. B. , ÇELİK Ş., ÖZTÜRK K., ÖZTÜRK Ö.
International Conference on Condensed Matter and Materials Science (ICMMS-2019), 14 - 19 October 2019
- III. **Investigation of the Effect of Nano-Pt/SiC Addition on Magnetic Properties of MgB₂ Superconductors**
TAYLAN KOPARAN E., SAVAŞKAN B., GÜNER S. B. , AKSOY C., ÇELİK Ş.
International Conference on Condensed Matter and Materials Science (ICMMS-2019), 14 - 19 October 2019, pp.90
- IV. **Effects of Acceptor Dopants (Li, N, B) on ZnO Thin Film Prepared by Spray Pyrolysis**
BAYAZIT T., OLGAR M. A. , GÜNER S. B. , TOMAKIN M., BACAĞIZ E.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), 16 - 18 October 2019
- V. **Multi-seeded YBCO Superconductors with Triangular Arrangement of Seeds**
ABDİOĞLU M., GÜNER S. B.

- VI. **Microstructural and Superconducting Properties of Silver Added Bulk MgB₂ Superconductors**
GÜNER S. B.
International Black Sea Coastline Countries Symposium-2, 20 - 22 July 2019, pp.87
- VII. **Trapped Magnetic Field Properties of Multi-Seeded Bulk YBCO Superconductors Fabricated by Top-Seeded Melt Growth Process**
GÜNER S. B. , SAVAŞKAN B.
International Symposium on Applied Sciences and Engineering (ISASE-2018), 26 - 28 November 2018, pp.36-38
- VIII. **Trapped Magnetic Field Measurement at 77 K for Multi-grain YBCO Bulk Superconductor**
GÜNER S. B. , SAVAŞKAN B., ÇELİK Ş.
2nd International Symposium on Innovative Approaches in Scientific Studies (ISAS 2018-Winter), 30 November - 02 December 2018, pp.903-906
- IX. **The Investigation of Magnetic Levitation Performance of Bis (2-methoxy-4-allylphenyl) Oxalate (I) (C₂₂H₂₂O₆) Doped MgB₂ Bulk Superconductor**
SAVAŞKAN B., GÜNER S. B. , KAYA KANTAR G.
2nd International Symposium on Innovative Approaches in Scientific Studies (ISAS 2018-Winter), 30 November - 02 December 2018
- X. **MgB₂ Süperiletken Örneklerine Ti Eklenmesinin Manyetik Kaldırma Kuvveti Özellikleri Üzerine Etkisi**
TAYLAN KOPARAN E., SAVAŞKAN B., GÜNER S. B. , AKSOY C.
9th International Science and Technology Conference, Paris, France, 18 - 20 July 2018, pp.408-416
- XI. **THE INVESTIGATION OF MAGNETIC LEVITATION PERFORMANCES OF BIS(2-METHOXY-4-ALLYLPHENYL) OXALATE (I) (C₂₂H₂₂O₆) DOPED MGB₂ SUPERCONDUCTORS**
GÜNER S. B. , kantar k., SAVAŞKAN B., ÜLGEN A. T. , YILDIRIM G., ÇELİK Ş., ŞAŞMAZ S.
TURKISH PHYSICAL SOCIETY 34TH INTERNATIONAL PHYSICS CONGRESS, 5 - 09 September 2018
- XII. **K-Shell X-Ray Fluorescence Parameters of Superconducting Ag added MgTi_{0.06}B₂ bulk samples**
Aksoy C., Tıraşoğlu E., Öztürk K., Savaşkan B., GÜNER S. B. , Taylan Koparan E.
Nuclear Structure Properties: NSP2018, Trabzon, Turkey, 12 - 14 September 2018, pp.73
- XIII. **Influence of Ti Addition on Magnetic Levitation Force Properties of MgB₂ Superconductor Samples**
Taylan Koparan E., Savaşkan B., GÜNER S. B. , Aksoy C.
ISTEC, Paris, France, 18 - 20 June 2018, pp.1
- XIV. **Influences of the Seed Distance on the Superconducting Characteristics of the (100)/ (100) and (100)/ (010) Junctions of YBCO Superconductors By Fabricated TSMG Using Two Seeds**
GÜNER S. B. , ÇELİK Ş., TOMAKİN M., ÖZTÜRK K., ÖZTÜRK Ö., SAVAŞKAN B.
6th International Conference on Superconductivity and Magnetism, 29 April - 04 May 2018, pp.401
- XV. **Investigation of the Effect of Nano-Pt/SiC Addition on Levitation Force Properties of MgB₂ Superconductors at Different Temperatures**
TAYLAN KOPARAN E., SAVAŞKAN B., GÜNER S. B. , AKSOY C., İNGENÇ B., ÇELİK Ş.
6th International Conference on Superconductivity and Magnetism, 29 April - 04 May 2018, pp.635
- XVI. **THE INVESTIGATION OF SINTERING TEMPERATURE EFFECT ON MgB₂ SUPERCONDUCTOR PROPERTIES**
Çelik Ş., GÜNER S. B.
ICSM-2018, Antalya, Turkey, 29 April - 04 May 2018, pp.162
- XVII. **PHYSICAL PROPERTIES OF TSMG YBCO BULK SUPERCONDUCTOR WELDED BY Ag₂O ADDED YBCO**
Çakır B., Öztürk K., Çelik Ş., GÜNER S. B. , Aydın A.
ICSM-2018, Antalya, Turkey, 29 April - 04 May 2018, pp.284
- XVIII. **THE INFLUENCE OF REGIONAL SILVER ADDING AND IR-LASER APPLICATION ON SUPERCONDUCTING PROPERTIES OF MgTi_{0.06}B₂**
Savaşkan B., Öztürk K., GÜNER S. B. , Aksoy C., de la Fuente G., Angurel L. A. , Badica P., Aldica G., Çelik Ş.
ICSM-2018, Antalya, Turkey, 29 April - 04 May 2018, pp.169
- XIX. **AN EXPERIMENTAL AND THEORETICAL STUDY ON THE EFFECT OF THE SEED POSITION/DISTANCE**

AND THE PMG SWITH DIFFERENT POLE DIRECTION ON MAGNETIC LEVITATION PROPERTIES OF BULK YBCO

Öztürk K., Abdioğlu M., GÜNER S. B. , Demirci M., Cansız A., Çelik Ş.

ICSM-2018, Antalya, Turkey, 29 April - 04 May 2018, pp.288

- XX. **THE EFFECT OF IR-LASER APPLICATION ON MAGNETIC PROPERTIES OF PARTIALLY AG DOPED INTO BULK MgTi0.06B2**
Aksoy C., Öztürk K., GÜNER S. B. , Savaşkan B., de la Fuente G. F. , Angurel L. A. , Badica P., Aldica G., Çelik Ş.
ICSM-2018, Antalya, Turkey, 29 April - 04 May 2018, pp.634
- XXI. **Investigation of Structural, Electrical and Magnetic Properties of SiC doped MgB2 Superconductors**
SAVAŞKAN B., GÜNER S. B. , TAYLAN KOPARAN E., AKSOY C., ÇELİK Ş., ÖZTÜRK K.
International Conference on Condensed Matter and Materials Science (ICMMS-2017), Adana, Turkey, 11 - 15 October 2017, pp.92
- XXII. **The Microstructural and Magnetic Levitation Force Improvement Application of Partially Ag Doped to Bulk MgTi0.06B2**
AKSOY C., ÖZTÜRK K., GÜNER S. B. , SAVAŞKAN B., de la Fuente G., Angurel L., Dancer C., ÇELİK Ş.
International Conference on Condensed Matter and Materials Science (ICMMS-2017), Adana, Turkey, 11 - 15 October 2017, pp.37
- XXIII. **The Investigation of Magnetic Levitation Force Measurements on Before and After Cut-Pasted Single Crystal GdBaCuO Bulk at Different Temperatures**
Çelik Ş., GÜNER S. B. , Ozturk O., KORALAY H., ÇAVDAR Ş., Ozturk K.
ICMMS-2017, Adana, Turkey, 11 - 15 October 2017, pp.73
- XXIV. **The Investigation of Electrical, Structural and Magnetic Levitation Force Performances of Single Grain YBCO Bulk Superconductors**
GÜNER S. B. , ÇELİK Ş., TOMAKİN M., ÖZTÜRK Ö., ÖZTÜRK K., SAVAŞKAN B.
International Conference on Condensed Matter and Materials Science, Adana, Turkey, 11 - 15 October 2017, pp.34
- XXV. **Effect of Hot Pressing on the Coronene Added Bulk MgB2 Superconductors**
ERDEM O., ABDIOĞLU M., GÜNER S. B. , Çelik Ş., KUCUKOMEROGLU T.
ICCESEN-2017, Muğla, Turkey, 5 - 08 October 2017, pp.1
- XXVI. **Effect of Pyrene Addition on the Bulk MgB2 Superconductors**
ERDEM O., ABDIOĞLU M., GÜNER S. B. , Çelik Ş., KUCUKOMEROGLU T.
ICCESEN-2017, Antalya, Turkey, 4 - 08 October 2017, pp.1
- XXVII. **The Role of the Nano-Ag Adding on the Levitation Force of Bulk MgB2**
GÜNER S. B. , SAVAŞKAN B., ÇELİK Ş., KARABOĞA F., Gündoğdu A., Demir B., Yeşilyurt M. Ş.
33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, pp.655
- XXVIII. **Investigation on The Critical Current Density and Levitation Force Properties of Coronene Added MgB2 Superconductors**
ERDEM O., ABDIOĞLU M., GÜNER S. B. , Çelik Ş., KUCUKOMEROGLU T.
33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 September - 10 October 2017, pp.1
- XXIX. **Effects of SiC Addition on the Levitation Force Properties of Bulk MgB2 Superconductors**
Savaşkan B., GÜNER S. B. , Çelik Ş., Karaboga F., GÜNDOĞDU A., DEMİR B.
33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 September - 10 October 2017, vol.1, no.1, pp.1
- XXX. **Effect of Hot Pressing on The Pyrene Added Bulk MgB2 Superconductors**
ERDEM O., ABDIOĞLU M., GÜNER S. B. , Çelik Ş., KUCUKOMEROGLU T.
33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.1
- XXXI. **Effects of SiC on Vertical Levitation Force Properties in the Bulk MgB2 Superconductors**
KOPARAN E. T. , SAVASKAN B., AKSOY C., GÜNER S. B.
IV. IMCOFE 2017, Roma, Italy, 23 - 25 August 2017, pp.1
- XXXII. **The Effects of Excess Mg Addition on the Superconductivity of Bulk MgB2**
SAVAŞKAN B., GÜNER S. B. , TAYLAN KOPARAN E., AKSOY C., ÇELİK Ş.
32th International Physics Congress, Muğla, Turkey, 6 - 09 September 2016, pp.136
- XXXIII. **THE EFFECT OF PERMANENT MAGNET DIAMETER ON MAGNETIC LEVITATION FORCE OF BULK MGB2**

SUPERCONDUCTOR

GÜNER S. B. , SAVASKAN B., KOPARAN E. T. , Çelik Ş.

Türk Fizik Derneği 32. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 09 September 2016, pp.1

- XXXIV. **MAGNETIC LEVITATION PROPERTIES OF BULK MgB₂ SUPERCONDUCTORS PRODUCED BY HOT PRESSING AND COLD PRESSING**
ERDEM O., GÜNER S. B. , Çelik Ş., YANMAZ E.
ICSM-2016, Muğla, Turkey, 24 - 30 April 2016, pp.599
- XXXV. **INFLUENCE OF Y₂O₃ INCLUSIONS ON MAGNETIC LEVITATION FORCE OF COLD TOP-SEEDED YBCO GROWN ON Y₂O₃ LAYER**
Çakır B., Aydın A., Ozturk K., Çelik Ş., GÜNER S. B.
ICSM-2016, Muğla, Turkey, 24 - 30 April 2016, pp.578
- XXXVI. **THE MAGNETIC LEVITATION FORCE PERFORMANCES OF SINGLE GRAIN YBCO BULK SUPERCONDUCTORS AT DIFFERENT LOW TEMPERATURES**
GÜNER S. B. , Çelik Ş., Ozturk K.
ICSM-2016, Muğla, Turkey, 24 - 30 April 2016, pp.572
- XXXVII. **MAGNETIC LEVITATION FORCE MEASUREMENTS ON SINGLE CRYSTAL GdBaCuO BULK AT DIFFERENT TEMPERATURES**
Çelik Ş., GÜNER S. B. , Ozturk K., Cansız A., Ozturk O.
ICSM-2016, Muğla, Turkey, 24 - 30 April 2016, pp.240
- XXXVIII. **Vertical Magnetic Levitation Force Measurement on Single Crystal YBaCuO Bulk at Different Temperatures**
Çelik Ş., GÜNER S. B. , Ozturk K., Ozturk O.
APS March Meeting 2016, Baltimore, Maryland, United States Of America, 14 - 18 March 2016, pp.1
- XXXIX. **The Investigation of Magnetic Levitation Force at Different Low Temperatures for Single Grain YBCO Bulk Superconductors**
GÜNER S. B. , Çelik Ş.
608. WE-Heraeus Seminar on "Superconducting Materials on Their Way from Physics to Applications", Bad Honnef/Rhöndorf/Bonn, Germany, 17 - 20 February 2016, pp.16
- XL. **Investigation of the effect of Bi 2212 addition on vertical levitation force properties of MgB₂ superconductors at different temperatures**
TAYLAN KOPARAN E., SAVAŞKAN B., GÜNER S. B. , ÇELİK Ş., YANMAZ E.
9th International Conference on Magnetic and Superconducting Materials, 30 April - 03 May 2015, pp.61
- XLI. **Guidance force measurement at different temperatures for MgB₂ bulk superconductors**
SAVASKAN B., KOPARAN E. T. , GÜNER S. B. , ÇELİK S., YANMAZ E.
9th International Conference on Magnetic and Superconducting Materials, Antalya, Turkey, 30 April - 03 May 2015, pp.62
- XLII. **Sait Barış Güner Magnetic Levitation Force Measurement System at Any Low Temperatures From 20 K To 300 K**
ÇELİK S., GÜNER S. B. , Coskun E.
American Physical Society March Meeting 2015, San Antonio, Tx, United States Of America, 2 - 06 March 2015, vol.1, pp.11013
- XLIII. **Lateral Force Measurement at Different Temperatures for (Gd₁₂₃)_{1-x}(Gd₂₁₁)_x Superconductors**
GÜNER S. B. , Coşkun E., ÇELİK Ş.
4th International Conference on Superconductivity and Magnetism, 27 April - 02 May 2014, pp.123
- XLIV. **Effect of the Surface Area on the Magnetic Levitation Force of Disk Shape MgB₂ Superconductors**
SAVAŞKAN B., ÇELİK Ş., TAYLAN KOPARAN E., GÜNER S. B. , Kapucu V., Demir İ., ÖZTÜRK K., YANMAZ E.
4th International Conference on Superconductivity and Magnetism, 27 April - 02 May 2014, pp.541
- XLV. **MAGNETIC LEVITATION FORCE MEASUREMENT SYSTEM AT ANY LOW TEMPERATURES FROM 20K TO 300K**
Çelik Ş., GÜNER S. B. , Coskun E.
ICSM-2018, Antalya, Turkey, 27 April - 02 May 2014, pp.1014

- XLVI. **Dependency of c-lattice parameter and activation energy on x in (Gd₁₂₃)_{1-x}(Gd₂₁₁)_x superconductors**
 GÜNER S. B. , Coskun E., CELİK S.
 7th Asian Conference on Applied Superconductivity and Cryogenics, Nevşehir, Turkey, 23 - 25 October 2013, pp.178
- XLVII. **Effects of x in (Sm₁₂₃)_{1-x}(Nd₁₂₃)_x samples on c-lattice parameter, activation energy and its magnetic power constant**
 Coskun E., GÜNER S. B. , OZTURK K., Çelik Ş.
 7th Asian Conference on Applied Superconductivity and Cryogenics, Nevşehir, Turkey, 23 - 25 October 2013, pp.47
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 30th International Physics Congress, 2 - 05 September 2013, pp.158
- XLIX. **(Gd₁₂₃)_{1-x}(Gd₂₁₁)_x SÜPERİLETKENLERİNDE X-KATKI MİKTARININ DİKEY HAREKETTEKİ DİKEY KUVVETE ETKİSİ, 30 TH INTERNATIONAL PHYSICS CONGRESS**
 GÜNER S. B. , Coskun E., Celik S.
 30TH INTERNATIONAL PHYSICS CONGRESS, İstanbul, Turkey, 2 - 05 September 2013, pp.157
- L. **(Sm_{1-x}Ndx)Ba₂Cu₃O_{7-y}; SÜPERİLETKENLERİNDE X-KATKI MİKTARI DEĞİŞİMİNİN MANYETİK KALDIRMA KUVVETİNE ETKİSİ**
 Coskun E., GÜNER S. B. , Celik S.
 30TH INTERNATIONAL PHYSICS CONGRESS, İstanbul, Turkey, 2 - 05 September 2013, pp.487
- LI. **(Sm₁₂₃)_{1-x}(Nd₁₂₃)_x SÜPERİLETKENLERİNDE X-KATKI MİKTARININ YATAY HAREKETTEKİ YATAY KUVVETE ETKİSİ**
 Coskun E., GÜNER S. B. , OZTURK K., TOMAKIN M., Celik S.
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- LII. **(Sm₁₂₃)_{1-x}(Nd₁₂₃)_x SÜPERİLETKENLERİNDE X-KATKI MİKTARININ DİKEY HAREKETTEKİ DİKEY KUVVETE ETKİSİ**
 Coskun E., GÜNER S. B. , OZTURK K., TOMAKIN M., Celik S.
 30TH INTERNATIONAL PHYSICS CONGRESS, İstanbul, Turkey, 2 - 05 September 2013, pp.144
- LIII. **The Effect of Diffusion Temperature of Sn in YBCO on the Magnetic Levitation Force**
 Coskun E., GÜNER S. B. , YILDIRIM G., Akdoğan M., TERZIOGLU C., GORUR O., Celik S.
 ICSM-2012, İstanbul, Turkey, 29 March - 04 May 2012, pp.969
- LIV. **The Investigation of Some Physical Properties of Sn Diffusion-Doped YBCO Superconductors**
 GÜNER S. B. , Coskun E., Ozturk Y., YILDIRIM G., VARILCI A., Celik S., GORUR O.
 ICSM-2012, İstanbul, Turkey, 29 March - 04 May 2012, pp.965
- LV. **Role of the Nd₁₂₃ Addition on Structural and Superconducting Properties of (Sm₁₂₃)_{1-x}(Nd₁₂₃)_x Superconductors**
 Ozturk O., Coskun E., GÜNER S. B. , Sarihan M., Celik S.
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 Soyulu N., Zaloğlu Y., DOGRUER M., Bal S., YILDIRIM G., TERZIOGLU C., GÜNER S. B.
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 Kırac E., YILDIRIM G., Karaboga F., Zaloğlu Y., GÜNER S. B.
 28TH INTERNATIONAL PHYSICS CONGRESS, İstanbul, Turkey, 6 - 09 September 2011, pp.85
- LVIII. **A THEORETICAL STUDY ON 2-NITRO-N-[2,4-DICHLOROPHENYL]-N-(2-METHYLBENZOYL) BENZAMID**
 Zalaoglu Y., DOGRUER M., Bal S., YILDIRIM G., Soyulu N., GÜNER S. B. , Ulgen A. T. , Gulen M.
 28TH INTERNATIONAL PHYSICS CONGRESS, İstanbul, Turkey, 6 - 09 September 2011, pp.513
- LIX. **INVESTIGATION OF SOME CHEMICAL AND PHYSICAL PROPERTIES OF 1-METHYL-3-(THIAZOL-2-YLDIAZENYL)-2-PHENYL-1H-INDOLE VIA QUANTUM COMPUTATIONAL METHODS**
 Karaboga F., Kırac E., DOGRUER M., Zalaoglu Y., GÜNER S. B. , YILDIRIM G.

28TH INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 6 - 09 September 2011, pp.1

- LX. **Magnetic Levitation Force of Sm₁₂₃(1-x) Nd₁₂₃x Superconducting Samples in Liquid Nitrogen Temperature**
Sarıhan M., Coşkun E., GÜNER S. B. , ÇELİK Ş.
5th National Superconductivity Symposium, Turkey, 3 - 06 July 2011, pp.18
- LXI. **The Investigation of Physical Properties of Zr Diffusion Doped YBCO Superconductors**
GÜNER S. B. , YILDIRIM G., Öztürk Y., VARILCI A., GÖRÜR O.
5th National Superconductivity Symposium, Turkey, 3 - 06 July 2011, pp.65
- LXII. **The Effect of Diffusion Temperature of Zr in YBCO on the Magnetic Levitation Force**
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5th National Superconductivity Symposium, Turkey, 3 - 06 July 2011, pp.75
- LXIII. **Effect of Sintering Temperature of the Nd₁₂₃ Hard Grinded Samples on the Magnetic Property at Room Temperature**
Coşkun E., GÜNER S. B. , Öztürk Y., Sarıhan M., ÇELİK Ş.
5th National Superconductivity Symposium, Turkey, 3 - 06 July 2011, pp.42

Supported Projects

- Güner S. B. , Savaşkan B., Öztürk K., Abdioğlu M., Yamamoto A., BOREN, Ulusal Bor Araştırma Enstitüsü Projesi, Yüksek Manyetik Alan Gerektiren Mühendislik Uygulamaları İçin Mg Taşımali Difüzyon Yöntemi ile MgB Külçe Süper Mıknatıs 2 Üretimi ve Elektro-Manyetik Karakterizasyonu, 2020 - 2022
- Güner S. B. , Abdioğlu C., TUBITAK Project, Gelin Tanış Olalım Fen ve Matematiği Eğlenceli Kılalım!-2, 2020 - 2021
- Güner S. B. , Aksoy C., Çakır B., Taylan Koparan E., Project Supported by Higher Education Institutions, Sürekli Akım Modunda çalışan Süperiletken Mıknatıslar için lehim eklem Üretimi ve Karakterizasyonu, 2020 - 2021
- TOMAKİN M., GÜNER S. B. , BAYAZIT T., Project Supported by Higher Education Institutions, p-Tipi ZnO İnce Film Örneklerinin Ultrasonik Kimyasal Püskürtme Yöntemi ile Hazırlanması ve Kararlılığının İncelenmesi, 2018 - 2021
- GÜNER S. B. , ÇELİK Ş., TOMAKİN M., SAVAŞKAN B., ÖZTÜRK K., Project Supported by Higher Education Institutions, Külçe MgB₂ Süperiletkeninin Sinterleme Sıcaklığının Manyetik Kaldırma ve Kılavuzlama Kuvveti Üzerine Etkisinin Araştırılması, 2018 - 2020
- TOMAKİN M., GÜNER S. B. , ÇELİK Ş., Project Supported by Higher Education Institutions, TSMG Yöntemiyle Üretilen Tek Kristal (YBa₂Cu₃O₇)_{1-x}(Y₂BaCuO₆)_x Süperiletkenlerinin Düşük Sıcaklıklarda Dikey Manyetik Kaldırma Kuvvetine x'in Etkisi, 2014 - 2016
- Çelik Ş., Tomakin M., Öztürk K., Öztürk Ö., TUBITAK Project, (Sm₁₂₃)_{1-x}(Nd₁₂₃)_x Süperiletkenlerindeki Katkı Miktarının Düşük Sıcaklıklarda Manyetik Kaldırma Kuvvetine Etkisinin İncelenmesi, 2011 - 2013
- GÜNER S. B. , CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Ulusal Süperiletkenlik Araştırma Laboratuvarı, 2010 - 2013

Edit Congress and Symposium Activities

32. Uluslararası Fizik Kongresi, Attendee, Muğla, Turkey, 2016
- ICSM-2016, Attendee, Muğla, Turkey, 2016
608. WE-Heraeus Seminar on "Superconducting Materials on Their Way from Physics to Applications", Attendee, Bonn, Germany, 2016
- ICSM-2014, Attendee, Antalya, Turkey, 2014
- 7th Asian Conference on Applied Superconductivity and Cryogenics, Attendee, Nevşehir, Turkey, 2013
- 30 TH INTERNATIONAL PHYSICS CONGRESS, Attendee, İstanbul, Turkey, 2013
- 3th International Conference on Superconductivity and Magnetism, Attendee, İstanbul, Turkey, 2012
- 5TH NATIONAL SUPERCONDUCTIVITY SYMPOSIUM, Attendee, İzmir, Turkey, 2011

Citations

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