

Dr.Öğr.Üyesi CENGİZ OKAY

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 1999 - 2004

Yüksek Lisans, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, Türkiye 1992 - 1996

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisi, Türkiye 1986 - 1991

Yaptığı Tezler

Doktora, Granüler Magnetik Filmlerde Ferromagnetik Rezonans (FMR) İncelemeleri, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 2004

Yüksek Lisans, Atmosferik Kirlenici Gaz ve Parçacıkların Ölçüm ve Analizi, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Fizik Anabilim Dalı, 1996

Araştırma Alanları

Fizik, Manyetik özellikler ve malzemeler

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Marmara Üniversitesi, Fen - Edebiyat Fakültesi, Fizik Bölümü, 2018 - Devam Ediyor

Yrd.Doç.Dr., Marmara Üniversitesi, Fen - Edebiyat Fakültesi, Fizik Bölümü, 2011 - 2018

Öğretim Görevlisi Dr., Marmara Üniversitesi, Fen - Edebiyat Fakültesi, Fizik Bölümü, 2004 - 2011

Araştırma Görevlisi, Marmara Üniversitesi, Fen - Edebiyat Fakültesi, Fizik Bölümü, 2001 - 2004

Araştırma Görevlisi, Marmara Üniversitesi, Atatürk Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1992 - 2001

Verdiği Dersler

Maddenin Yapısı ve Özellikleri, Lisans, 2021 - 2022

Classical Mechanics, Lisans, 2022 - 2023

fizik2, Lisans, 2019 - 2020

Elektrik 2, Lisans, 2019 - 2020

Fizik2, Lisans, 2019 - 2020

Mekanik 2, Lisans, 2019 - 2020
Fizik-1, Lisans, 2019 - 2020
Mekanik-1, Lisans, 2019 - 2020
Elektrik 1, Lisans, 2019 - 2020
fizik-1, Lisans, 2019 - 2020
fizik2, Lisans, 2017 - 2018
Fizik2, Lisans, 2017 - 2018
MODERN OPTİK, Lisans, 2017 - 2018
FİZİK2, Lisans, 2016 - 2017
FİZİK2, Lisans, 2016 - 2017
Fizik1, Lisans, 2017 - 2018
optik VE dalgalar, Lisans, 2017 - 2018
OPTİK, Lisans, 2016 - 2017
FİZİK1, Lisans, 2016 - 2017
FİZİK1, Lisans, 2016 - 2017
FİZİK2, Lisans, 2015 - 2016
FİZİK1, Lisans, 2015 - 2016

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Comparative analysis of vegetable oils by ¹H NMR in low and high magnetic fields**
Kupriyanova G., Smirnov M., Mershev I., Maraşlı A., OKAY C., Mozhukhin G., Rameev B.
Journal of Food Composition and Analysis, cilt.126, 2024 (SCI-Expanded)
- II. **Classification of Edible Oils by using Time Domain NMR (TD-NMR) Technique and Microwave (MW) Dielectric Spectroscopy**
OKAY C.
Food Analytical Methods, cilt.16, sa.9-10, ss.1529-1536, 2023 (SCI-Expanded)
- III. **Comparison of homemade TD-NMR device and commercial devices for detection of oil adulteration**
Maraşlı A., OKAY C., Karataş Ö., Mozhukhin G., Rameev B.
European Physical Journal Plus, cilt.138, sa.5, 2023 (SCI-Expanded)
- IV. **Structural and magnetic studies of TiO₂ rutile implanted with vanadium ions**
Vakhitov I., Shemukhin a., Gumarov a., Lyadov N. M., Nuzhdin V., Faizrahmanov I., OKAY C., Rameev B. Z., Tagirov L., Khaibullin R.
MATERIALS RESEARCH EXPRESS, cilt.6, sa.11, 2019 (SCI-Expanded)
- V. **Thermoelectric properties and EPR analysis of Fe doped Cu₁₂Sb₄S₁₃**
Guler A., Ballikaya S., Boyraz C., Okay C., Shulgin D., Rameev B.
JOURNAL OF SOLID STATE CHEMISTRY, cilt.269, ss.547-552, 2019 (SCI-Expanded)
- VI. **Bond length (Ti-O) dependence of nano ATO(3)-based (A = Pb, Ba, Sr) perovskite structures: Optical investigation in IR range**
Ghasemifard M., Ghamari M., OKAY C.
MODERN PHYSICS LETTERS B, cilt.32, sa.1, 2018 (SCI-Expanded)
- VII. **Magnetic Resonance Study of Fe-Implanted TiO₂ Rutile**
Okay C., Vakhitov I. R., Valeev V. F., Khaibullin R. I., Rameev B.
APPLIED MAGNETIC RESONANCE, cilt.48, sa.4, ss.347-360, 2017 (SCI-Expanded)
- VIII. **Optical and magnetic properties of Ni-implanted and post-annealed ZnO thin films**
Okay C., Rameev B. Z., Guler S., Khaibullin R. I., Khakimova R. R., Osin Y. N., Akdogan N., Gumarov A. I., Nefedov A., Zabel H., et al.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.104, sa.2, ss.667-675, 2011 (SCI-Expanded)
- IX. **Ferromagnetic resonance study of iron implanted PET foils**
Okay C., Rameev B., Khaibullin R., Okutan M., Yildiz F., Popok V., Aktas B.

PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, cilt.203, sa.7, ss.1525-1532, 2006 (SCI-Expanded)

- X. **Ferromagnetic resonance investigations of cobalt-implanted polyimides**
Rameev B., Okay C., Yildiz F., Khaibullin R., Popok V., Aktas B.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, cilt.278, ss.164-171, 2004 (SCI-Expanded)
- XI. **Ion synthesis and FMR studies of iron and cobalt nanoparticles in polyimides**
Rameev B., Yildiz F., Aktas B., Okay C., Khaibullin R., Zheglov E., Pivin J., Tagirov L.
MICROELECTRONIC ENGINEERING, cilt.69, sa.2-4, ss.330-335, 2003 (SCI-Expanded)
- XII. **Ion Synthesis and FMR Studies of Iron and Cobalt Nanoparticles in Polyimides**
OKAY C., RAMİ B., Bulat r., YILDIZ F., AKTAŞ B., Khaibullin R., J p., Lenar T.
Microelectronic Engineering, cilt.69, ss.330-335, 2003 (SCI-Expanded)
- XIII. **Ion synthesis of iron granular films in polyimide**
Khaibullin R., Popok V., Bazarov V., Zheglov E., Rameev B., Okay C., Tagirov L., Aktas B.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, cilt.191, ss.810-814, 2002 (SCI-Expanded)
- XIV. **Composition of wet deposition in Kaynarca, Turkey**
Okay C., Akkoyunlu B. O., Tayanc M.
ENVIRONMENTAL POLLUTION, cilt.118, sa.3, ss.401-410, 2002 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Investigation of Relaxation Times of Alcohol-Water Mixtures by Time Domain NMR Technique**
OKAY C.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, cilt.23, ss.300-305, 2023 (Hakemli Dergi)
- II. **Fe ve As Elementleri ile Katkılı Tetrahedritlerin Karakterizasyonu ve Fiziksel Özellikleri**
OKAY C., BOYRAZ C., SHULGIN D. A., MOZZHUKHIN G., RAMİ B.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.22, ss.1016, 2018 (Hakemli Dergi)
- III. **Tailoring magnetic anisotropy of Cobalt-Gold thin films**
Okay C., Aksu P., Değer C., Yıldız F.
Turkish Journal of Physics, cilt.42, ss.335-341, 2018 (Scopus)

Kitap & Kitap Bölümleri

- I. **Ortaöğretim FİZİK 9 Sınıf**
DURU M. K., TURGUT H., DUMLUDAĞ F., OKAY C., YILDIRIM U., MERCAN F. Ç., KARAMUSTAFAOĞLU O., DEĞİRMENÇİ S., SAKA Y., GARİP B.
MEB DEVLET KİTAPLARI, Ankara, 2014
- II. **Ion beam Synthesis of Magnetic Nanoparticles in Polymers,**
khaibullin R., RAMİ B., OKAY C., Zheglov E., Zhikharev V., Tagirov L., AKTAŞ B.
Nanostructured Magnetic Materials and Their applications:Nato Science Series II, Mathematics, Physics and Chemistry, B.Aktaş. L. Tagirov, F. Mikailov, Editör, Kluwer Academic Publisher, Springer ScienceBusiness Media, ss.33-54, 2004

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Detection of Chemical substance Type from NMR Spectrum Data in the Earth's Magnetic Field Using Machine Learning Techniques**
Şimşek M., OKAY C.

6. International Antalya Scientific Research and Innovative Studies Congress, Antalya, Türkiye, 2 - 04 Aralık 2023, ss.952
- II. **Machine Learning of NMR Spectra in the Earth's Magnetic Field Substance Detection with Learning-Based Signal Processing**
Şimşek M., KUPRIYANOV P., OKAY C.
5th International Blacksea Modern Scientific Research Congress, Rize-Türkiye, Rize, Türkiye, 8 Kasım - 10 Aralık 2023, ss.832-833
- III. **Microwave (MW) Dielectric Spectroscopy investigations of benign and threat liquids**
OKAY C.
Magnetic Resonance and its Applications, 20 International School-Conference, (SPINUS,2023, Saint Peter, Guernsey Ve Alderney, 27 Mart 2023
- IV. **The detection of NQR signals with use of the single-turn toroid**
OKAY C., Mouzhikkin G., MARAŞLI A., ÇOLAK B., MAKSUTOĞLU M., KAZAN S., İpek H., RAMİ B., Kuprayanov P.
", Magnetic Resonance and its Applications, Saint-Petersburg University, 20 International School-Conference, SPINUS,2023, Saint Peter, Guernsey Ve Alderney, 27 Mart 2023
- V. **Time Domain Nuclear Magnetic Resonance Investigations of Benign and Threat Liquids**
MARAŞLI A., İpek H., OKAY C., RAMİ B.
Magnetic Resonance and its Applications, Saint-Petersburg University, 20 International School-Conference, SPINUS,2023, Saint Peter, Guernsey Ve Alderney, 27 Mart 2023
- VI. **Detection of Nitrogen Substances by Nuclear Quadrupole Resonance in Large Volumes**
Mozzhukhin G., Maksutoğlu M., Çolak B., Marasli A., Doğan E., Cinar K., Kupriyanov P., OKAY C., Khusnutdinov R., Kazan S., et al.
2023 Photonics and Electromagnetics Research Symposium, PIERS 2023, Prague, Çek Cumhuriyeti, 3 - 06 Temmuz 2023, ss.912-916
- VII. **Relaxation rates of alcohol-water mixtures in 1H NMR**
OKAY C.
International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT 2020), Tokat, Türkiye, 22 Ekim 2020
- VIII. **FMR Analysis of Magnetic Anisotropies in Co-implanted TiO₂ Rutile"**
KARATAŞ Ö., OKAY C., KAZAN S., khaibullin R., ARDA L., RAMİ B.
MAGNETIC RESONANCE: CURRENT STATE AND FUTURE PERSPECTIVES (EPR-75) (2019) 23-29 September 2019, Kazan, Russia, 23 - 29 Eylül 2019
- IX. **Bimodal Relaxation Time Distribution of Ethanol Water Mixtures Revealed by Inverse Laplace Transform Technique**
SINMAZ M. A., MARAŞLI A., OKAY C., RAMİ B.
", AMPERE Nuclear Magnetic Resonance Summer School, (AMPERE NMR 2019 23-29 June 2019, Zakopane-Poland, 23 - 29 Haziran 2019
- X. **Non-Linear Concentration Behaviour of Alcohol-Water Mixtures Studied by TD NMR and MW Dielectric Spectroscopy**
OKAY C., MARAŞLI A., ünver İ., Mozhukhin G., RAMİ B.
AMPERE Nuclear Magnetic Resonance Summer School, (AMPERE NMR 2019), 23 Haziran 2019
- XI. **Textured growth of magnetic nanoparticles in implanted TiO₂ and ZnO single crystals as revealed by FMR**
KARATAŞ Ö., GÜLER KILIÇ S., OKAY C., KAZAN S., khaibullin R., RAMİ B.
Magnetic Resonance and its Applications, Saint-Petersburg University, 16 International School-Conference, (SPINUS-2019, Saint Peter, Guernsey Ve Alderney, 31 Mart - 05 Nisan 2019, ss.181-183
- XII. **1H NMR relaxation times of alcohol-water mixtures**
OKAY C., MARAŞLI A., Mozhukhin G., RAMİ B.
Magnetic Resonance and its Applications, Saint-Petersburg University, 16 International School-Conference, SPINUS,2019, Saint Peter, Guernsey Ve Alderney, 31 Mart - 05 Nisan 2019, ss.103-105
- XIII. **MAGNETIC RESONANCE STUDIES OF TiO₂ AND ZnO SINGLE CRYSTALS IMPLANTED WITH 3d IONS**

RAMİ B., karatas o., ozkal b., OKAY C., KAZAN S., güler s., khaibullin R.

Academician G.B. Abdullayev, Centenary International Conference and School Modern Trends in Condensed Matter, Physics, 24 - 26 Eylül 2018

- XIV. Electric Field Dependent EPR Measurements of vacancy related substitutional Fe³ defects in SrTiO₃ single crystal**
KAZAN S., yıldız K., karatas o., özkal b., Vafadar M., RAMİ B., OKAY C., ARDA L.
6th International Conference on Superconductivity and Magnetism (ICSM2018 Antalya-Turkey, 29 Nisan - 04 Mayıs 2018
- XV. Magnetic resonance and VSM studies of Co implanted TiO₂ single crystals**
OKAY C., KAZAN S., GÜLER KILIÇ S., khaibullin R., ARDA L., RAMİ B.
6th International Conference on Superconductivity and Magnetism (ICSM2018-Sözlü Sunum, Antalya-Turkey, 29 Nisan - 04 Mayıs 2018
- XVI. Physical Properties of Fe doped Cu₁₂Sb₄S₃**
GÜLER A., BOYRAZ C., OKAY C., RAMİ B.
1 st international Symposium on Multidisciplinary Studies and Innovative Technologies, 2 - 04 Kasım 2017
- XVII. PHYSICAL PROPERTIES OF Fe DOPED Cu₁₂Sb₄S₃**
GÜLER A., BOYRAZ C., OKAY C., bulat r.
ISMSIT2017, 2 - 04 Kasım 2017
- XVIII. Process, characterization and ESR properties of 3d transition ion doped tetrahedrite compounds**
GÜLER A., BOYRAZ C., rameev b., OKAY C.
Magnetic Materials 2017, 9 - 10 Ekim 2017
- XIX. Process, characterization and ESR properties of 3d transition ion doped-tetrahedrite compounds**
BOYRAZ C., GÜLER A., OKAY C., shulgin d., MOZZHUKHIN G., RAMİ B.
Magnetism and Magnetic Materials, 9 - 10 Ekim 2017
- XX. EPR Studies of Tetrahedrite Doped by 3d Transition Ions**
GÜLER A., OKAY C., BOYRAZ C., RAMAEEV B.
NANOTR 12, Türkiye, 3 - 05 Haziran 2016
- XXI. FMR Studies of Magnetic Anisotropy in Iron Implanted Single Crystal Rutile Films 3 5 Haziran 2016**
OKAY C., RAMİ B., Valeev V., khaibullin r.
12th International Nanoscience and Nanotechnology Conference (NanoTR-12), Elite Hotel Darıca Kocaeli/Turkey, Türkiye, 3 - 05 Haziran 2016
- XXII. EPR Studies of 3d transition ions doped tetrahedrite 3 5 Haziran 2016**
GÜLER A., OKAY C., Shulgin d., BOYRAZ C., şen a., RAMİ B.
12th International Nanoscience and Nanotechnology Conference (NanoTR-12), Elite Hotel Darıca Kocaeli/Turkey, Türkiye, 3 - 05 Haziran 2016
- XXIII. Ferromagnetic Resonance Investigations of Fe implanted Rutiles 22 25 Haziran 2015**
OKAY C., Bulat r., VF V., Khaibullin R.
NanoTR-11, Orta Doğu Teknik Üniversitesi Kültür ve Kongre Merkezinde (Ankara), Ankara, Türkiye, 22 - 25 Haziran 2015
- XXIV. Structural Magnetic and Electrical Studies of Fe Implanted Polyimides**
RAMİ B., khaibullin R., Tagirov L., v P., V.V B., OKAY C.
International Workshop on Polymer/Metal Nanocomposites, Faculty of Engineering Christian-Albrechts University Kiel, September 22-23, 2003 pp.23 Germany, 22 - 23 Eylül 2003
- XXV. Ion Synthesis and FMR Studies of Cobalt and Iron Nanoparticles Implanted in Polyimides**
RAMİ B., YILDIZ F., AKTAŞ B., OKAY C., khaibullin R., Zheglov E., Pivin J., Tagirov L.
Nano and Giga Challenges in Microelectronics Research and Opportunities in Russia, Symposium and Summer School, September 10-13 (2002) pp.212, Moscow, Russia, 10 - 13 Eylül 2003
- XXVI. Ion Synthesis of Magnetic Nanoparticles in Polymers**
khaibullin R., RAMİ B., OKAY C., Zheglov E., Zhikharev V., Tagirov L.
Advanced Research Workshop, Nanostructured Magnetic Materials and Their Applications, ARW NMMA-2003 July 1-4, 2003, pp.12, İstanbul- Turkey, 1 - 04 Haziran 2003

XXVII. C Okay B Rameev F Yıldız R I Khaibullin and B Aktaş Ferromagnetic Resonance and Electron Microscopy Studies of Cobalt Granuler Films in Polyimides Synthesized by Ion Implantation Technique

OKAY C., RAMİ B., YILDIZ F., khaibullin R.

Türk Fizik Dernegi 21.Fizik Kongresi Suleyman Demirel Universitesi, 11-14 Eylül 2002, sayfa 435, Isparta, 11 - 14 Eylül 2002

XXVIII. Hava Kalitesi Ölçümlerinde Doğal Temizlenme Mekanizmalarının Önemi: 1993-94 Dönemi Pendik-Kaynarca Yöresi Ölçümleri

OKAY C., ORALTAY R. G.

Yanma ve Hava Kirliliği Kontrolü III. Ulusal Sempozyumu, ODTÜ Çevre Mühendisliği Bölümü, Türkiye, 11 - 13 Eylül 1995

Desteklenen Projeler

Rameev B., Okay C., Kazan S., Çolak B., Maksutoğlu M., Savunma Sanayi Başkanlığı Destekli Proje, Proje Adı : Proje ismi GİZLİDİR, 2021 - 2023

Okay C., Yükseköğretim Kurumları Destekli Proje, Kobalt Altın Katkılı Manyetik İnce Filmlerin Sıçratma Metoduyla Hazırlanması Yapısal ve Manyetik Özelliklerinin İncelenmesi, 2016 - 2018

Kösoğlu G., Yahşi U., ESMER K., OKAY C., Yükseköğretim Kurumları Destekli Proje, İleri Modern Fizik Laboratuvarı, 2013 - 2017

Okay C., Yükseköğretim Kurumları Destekli Proje, Kobalt ve demir iyonları katkılı polimid PI malzemelerin yapısal ve manyetik özelliklerinin incelenmesi, 2005 - 2006

Metrikler

Yayın: 49

Atıf (WoS): 173

Atıf (Scopus): 153

H-İndeks (WoS): 7

H-İndeks (Scopus): 6

Akademi Dışı Deneyim

Acıbadem Üniversitesi