

## Asst. Prof. EMİN YAKAR

### Personal Information

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Address: ÇOMÜ Mühendislik Fakültesi oda no 410 Malzeme Bilimi ve Mühendisliği Bölümü Terzioğlu Kampüsü Çanakkale

### Education Information

Doctorate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri, Fizik (Deneysel Ve Teorik Malzeme Fiziği), Turkey 2006 - 2012

Postgraduate, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri, Matematik / (Matematiksel Hesaplamalı Fizik), Turkey 2004 - 2006

Undergraduate Minor, Ankara University, Fen Fakültesi, Ast. Uzay Bil.-Matematik , Turkey 1995 - 2001

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, TlGaSe<sub>2</sub> Katmanlı Kristalinin Negatif Isıl Genleşmesinin Dış Etkiler Altında İncelenmesi , Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Fizik, 2012

Postgraduate, İnhomojen Einstein Alan Denklemlerinin Bir Skaler Alanın Oluşturduğu Enerji-Momentum Tensörüne Göre Çözümü , Gebze Yüksek Teknoloji Enstitüsü, Mühendislik Ve Fen Bilimleri Enstitüsü, Matematik, 2006

### Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Semiconductor and Superconductor Materials, Composites, Material Characterization, Nanomaterials, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science, Natural Sciences, Engineering and Technology

### Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Malzeme Bilimi ve Mühendisliği, 2018 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Malzeme Bilimi ve Mühendisliği, 2012 - 2018

Research Assistant PhD, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Fizik, 2012 - 2012

Research Assistant, Gebze Yüksek Teknoloji Enstitüsü, Fen Fakültesi, Fizik, 2006 - 2012

## Academic and Administrative Experience

Canakkale Onsekiz Mart University, Bayramiç Myo, 2019 - Continues

Canakkale Onsekiz Mart University, Biyomühendislik Ve Malzeme Mühendisliği, 2017 - Continues

Canakkale Onsekiz Mart University, 2015 - Continues

ÇOBİLTUM Müdür Yardımcısı, Canakkale Onsekiz Mart University, 2015 - 2020

ÇOBİLTUM Yönetim Kurulu Üyesi, Canakkale Onsekiz Mart University, 2015 - 2020

Canakkale Onsekiz Mart University, Mühendislik Fakültesi, Malzeme Bilimi ve Mühendisliği, 2017 - 2019

Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, 2017 - 2017

## Courses

Malzeme Karakterizasyon Teknikleri, Postgraduate, 2023 - 2024

Yarıiletken Cihazlar, Postgraduate, 2015 - 2016

Optoelektronığe Giriş, Postgraduate, 2015 - 2016

Genel Fizik 1, Undergraduate, 2015 - 2016

Uzmanlık Alan , Postgraduate, 2015 - 2016

Mühendislikte Klasik Mekanik, Postgraduate, 2015 - 2016

Genel Fizik 2 (Bilgisayar Müh.), Undergraduate, 2014 - 2015

Genel Fizik 1 (Bilgisayar Müh.), Undergraduate, 2014 - 2015

Genel Fizik 1 (Geomatik Müh. İ.Ö), Undergraduate, 2014 - 2015

Genel Fizik 2 (Geomatik Müh. İ.Ö), Undergraduate, 2014 - 2015

Yatıletkenler Fiziği (Biyomühendislik ve Malzeme Müh. ), Postgraduate, 2014 - 2015

İstatistiksel Mekanik (Biyomühendislik ve Malzeme Müh. ), Postgraduate, 2014 - 2015

Genel Fizik 2 (Geomatik Müh. ), Undergraduate, 2014 - 2015

Lineer Diferansiyel Denklemler (Biyomühendislik ve Malzeme Müh.), Postgraduate, 2014 - 2015

## Advising Theses

Yakar E., Camsı Yapıdaki Porselen Karo Sırlarına Granüle Frit Katkılarının Araştırılması, Postgraduate, K.SARI(Student), 2022

Yakar E., Sarf F., WO<sub>3</sub> Fimlerin Mikroyapısal Kusur ve Optik Özelliklerinin İncelenmesi, Postgraduate, O.Emre(Student), 2022

Yakar E., THE DEVELOPMENT AND CHARACTERIZATION OF MATERIALS INCREASING OPACITY PERFORMANCE FOR THE CAO-AL<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> SYSTEM IN CERAMIC COATING MATERIALSSERAMİK MALZEMELERİNDE CaO-AL<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> SİSTEMİNDE KULLANILACAK ÖRTÜCÜLÜK PERFORMANSINI ARTTIRICI MALZEME GELİŞTİRİLMESİ VE KARAKTERİZASYONU, Postgraduate, A.Çırpın(Student), 2020

YAKAR E., Kolemanit atıklardan kimyasal liç yöntemiyle bor türevlerinin eldesi, Postgraduate, S.Harbili(Student), 2020

Yakar E., DETERMINATION OF THE PHOTOCATALYTIC AND ELECTRICAL PROPERTIES OF ZnO/TiO<sub>2</sub> NANOCOMPOSITE STRUCTURES PRODUCED BY ARC DISCHARGE METHOD, Postgraduate, D.Karacabağ(Student), 2019

ADAY M. S., YAKAR E., Limonlarda Breatheway Membran Teknolojisinin Kaliteye Etkisi, Postgraduate, M.ATAN(Student), 2019

Yakar E., SG-2 kalite kaynak tellerinin tel çekme proseslerinde meydana gelen sorunların analiz edilmesi ve çözümlenmesi, Postgraduate, R.ÇAĞRI(Student), 2019

YAKAR E., A3B3C26 Ferroelektrik Yarıiletkenlerinde Faz Geçişlerin Belirlenmesi İçin Yeni Bir Optiksel Yöntem Geliştirilmesi, Postgraduate, Ş.Tuğba(Student), 2018

## Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunması (Biyomühendislik ve Malzeme Müh. ABD), Çanakkale Onsekiz Mart Üniversitesi, January, 2019  
Doctorate, Doktora Tez Savunması (Fizik ABD), Çanakkale Onsekiz Mart Üniversitesi, January, 2019  
Doctorate, Doktora Tez Savunması (Fizik ABD), Çanakkale Onsekiz Mart Üniversitesi, January, 2019  
Post Graduate, Yüksek Lisans Tez Savunması (Biyomühendislik ve Malzeme Müh. ABD), Çanakkale Onsekiz Mart Üniversitesi, January, 2019  
Post Graduate, Tez Savunma, Gebze Teknik Üniversitesi, July, 2017  
Post Graduate, Yüksek Lisans Tez Savunması, Çanakkale Onsekiz Mart Üniversitesi, June, 2016  
Post Graduate, Tez Savunma Jürisi, Gebze Yüksek Teknoloji Enstitüsü, February, 2013  
Post Graduate, Tez Savunma Jürisi, Gebze Yüksek Teknoloji Enstitüsü, January, 2013

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Surface Dynamics and Electrochemical Examination of Co3O4 Films by Iron Doping (accepted)**  
Yakar E., Sarf F., Bayırlı M., Ilgaz A.  
SURFACE TOPOGRAPHY: METROLOGY AND PROPERTIES, vol.12, no.3, pp.10-21, 2024 (SCI-Expanded)
- II. **Development and characterisation of olive oil based spreads containing different seasonings**  
Öğütçü M., Albayrak E., Çokay H., Yakar E.  
RIVISTA ITALIANA DELLE SOSTANZE GRASSE, vol.100, pp.39-48, 2023 (SCI-Expanded)
- III. **Production and Characterization of ZrO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub>-K<sub>2</sub>O Based Ceramic Whitening Agents**  
Cirpin A., YAKAR E.  
GLASS AND CERAMICS, vol.79, no.5-6, pp.194-201, 2022 (SCI-Expanded)
- IV. **Investigation of H<sub>2</sub>S gas sensing performance of Ni:WO<sub>3</sub> films at room temperature: nickel precursor effect**  
Karaduman Er I., Sarf F., Yakar E.  
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.33, pp.3397-3410, 2022 (SCI-Expanded)
- V. **Varying electrical and dielectric properties of Ni:SnO<sub>2</sub> films by MWCNTs and GNPs coating**  
Sarf F., Karaduman I., Ajjaq A., Yakar E., Çağırtekin A. O., Acar S.  
Physica Scripta, vol.97, no.2, pp.25805-25815, 2022 (SCI-Expanded)
- VI. **Substrate Critical Effect on the Structural and H<sub>2</sub> Gas Sensing Characteristics of Solution-Processed Zn<sub>0.075</sub>Cu<sub>0.025</sub>O Films**  
Sarf F., Karaduman Er I., Yakar E., Acar S.  
MATERIALS RESEARCH EXPRESS, vol.8, pp.126401-126415, 2021 (SCI-Expanded)
- VII. **Effectiveness of different packaging films and trays on mushrooms (Agaricus bisporus) subjected to simulated transportation conditions at different vibration frequencies**  
Ozturk M., YAKAR E., TEMİZKAN R., ADAY M. S.  
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.45, no.5, 2021 (SCI-Expanded)
- VIII. **Facile synthesis and electrochemical properties of Prussian Blue/MWCNT and PB/VO<sub>3</sub> films**  
Yakar E.  
BULGARIAN CHEMICAL COMMUNICATIONS, vol.53, no.1, pp.99-104, 2021 (SCI-Expanded)
- IX. **The role of rare-earth metal (Y, Ru and Cs)-doped ZnO thin films in NH<sub>3</sub> gas sensing performances at room temperature**  
SARF F., Er I. K., YAKAR E., ACAR S.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.13, pp.10084-10095, 2020 (SCI-Expanded)
- X. **Annealing Time Effect on the Optical Properties of Zn(O,OH,S) Films onto ZnO Seed Layer Under Unvacuum Ambient**  
ÖZÜTOK F., YAKAR E.  
Sakarya University Journal Of Science, vol.22, no.6, pp.1704-1710, 2018 (SCI-Expanded)
- XI. **Optical and Electrochemical Properties of PB-ZnO and PB-ZnO/MWCNT Nanocomposite Films**

### **Deposited by Chemical Bath**

Ozutok F., YAKAR E.

JOURNAL OF NEW MATERIALS FOR ELECTROCHEMICAL SYSTEMS, vol.21, no.2, pp.119-126, 2018 (SCI-Expanded)

**XII. Identification of intrinsic deep level defects responsible for electret behavior in TlGaSe(2) layered semiconductor**

Seyidov M. Y., MİKAILZADE F., Uzun T., Odrinsky A. P., YAKAR E., Aliyeva V. B., Babayev S. S., Mammadov T. G.

PHYSICA B-CONDENSED MATTER, vol.483, pp.82-89, 2016 (SCI-Expanded)

**XIII. Phase transition sensitive to interlayer defects in layered semiconductor TlGaSe<sub>2</sub>**

Seyidov M. Y., Suleymanov R. A., Yakar E., Acikgoz M.

SOLID STATE SCIENCES, vol.14, no.3, pp.311-316, 2012 (SCI-Expanded)

**XIV. Memory effect and new polarized state in the incommensurate phase of TlGaSe<sub>2</sub> ferroelectric-semiconductor**

Seyidov M. Y., Suleymanov R. A., Yakar E., Sahin Y., Acikgoz M.

JOURNAL OF APPLIED PHYSICS, vol.110, no.1, 2011 (SCI-Expanded)

**XV. The Role of Electronic Subsystem in the Negative Thermal Expansion of Ferroelectric-Semiconductor TlGaSe<sub>2</sub>**

Mammadov T. G., Abdullayev N. A., Seyidov M. Y., Suleymanov R. A., Yakar E.

JAPANESE JOURNAL OF APPLIED PHYSICS, vol.50, no.5, 2011 (SCI-Expanded)

**XVI. Effect of electric field on negative linear expansion of ferroelectric-semiconductor TlGaSe<sub>2</sub>**

Seyidov M. Y., Suleymanov R. A., Yakar E., Abdullayev N., Mammadov T.

Journal of Applied Physics, vol.106, no.6, 2009 (SCI-Expanded)

**XVII. Thermal expansion and memory effect in the ferroelectric-semiconductor TlGaSe<sub>2</sub>**

Seyidov M. Y., Suleymanov R. A., Yakar E.

JOURNAL OF APPLIED PHYSICS, vol.106, no.2, 2009 (SCI-Expanded)

**XVIII. Effect of illumination on negative linear expansion of TlGaSe<sub>2</sub> layered crystals**

Seyidov M. Y., Suleymanov R. A., Yakar E., Abdullayev N. A., Mammadov T. G.

JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.69, no.10, pp.2544-2547, 2008 (SCI-Expanded)

### **Articles Published in Other Journals**

**I. Optical and Electrical Characterization of Crystallized M:WO<sub>3</sub> (Cu, Fe, Ni) Films in Acidic Medium**

Yakar E., Karaduman Er I., Sarf F.

Journal of advanced research in natural and applied sciences (Online), vol.11, no.111, pp.1-10, 2024 (Peer-Reviewed Journal)

**II. Determination of Structural and Optical Properties of Zn<sub>1-x</sub>Cu<sub>x</sub>O Nanoparticles by Chemical Bath Deposition Waste Recovery Technique**

Yakar E.

Journal of advanced research in natural and applied sciences (Online), vol.9, no.3, pp.710-718, 2023 (Peer-Reviewed Journal)

**III. Tuning Optical and Electrical Properties of Ultra-Fast Prepared Nanoflower Mg:ZnO Films by MWCNTs Coating**

Karaduman Er I., Sarf F., Yakar E.

Bilge International Journal of Science and Technology Research, vol.6, no.2, pp.83-90, 2022 (Peer-Reviewed Journal)

**IV. Investigation of Microstructural and Intrinsic Defect States of Facile Synthesized WO<sub>3</sub> Film**

Gülen O. E., Yakar E., Sarf F.

Bilge International Journal of Science and Technology Research, vol.6, no.1, pp.16-19, 2022 (Peer-Reviewed Journal)

**V. Investigation of Potassium Doping Effect on the Structural Properties of Ag:ZnO Films**

Sarf F., Yakar E.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.22, no.1, pp.214-221, 2022 (Peer-Reviewed Journal)

- VI. **Investigation of Ferromagnetism and Growth Correlation of Transition Metal Doped ZnO**  
Sarf F., Aşıkuzun E., Yakar E.  
International journal of advances in engineering and pure sciences (Online), vol.33, no.1, pp.47-52, 2021 (Peer-Reviewed Journal)
- VII. **Developing Novel Materials to Increase Opacity Performance of the CaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> System in Ceramic Coatings**  
Çırpın A., YAKAR E.  
ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.5, no.2, pp.233-242, 2019 (Peer-Reviewed Journal)
- VIII. **Kompleks Etken Madde Oranına Bağlı Olarak ZnFe<sub>2</sub>O<sub>4</sub> Filmlerin İncelenmesi**  
ÖZÜTOK F., YAKAR E.  
ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.4, no.2, pp.200-211, 2018 (Peer-Reviewed Journal)
- IX. **INFLUENCE OF SULFUR CONCENTRATIONS ON THE OPTICAL PROPERTIES OF ZnS FILMS ONTO ZnO SEED LAYER SYNTHESIZED BY CHEMICAL BATH DEPOSITION**  
ÖZÜTOK F., YAKAR E.  
zhurnal prikladnoi spektroskopii, vol.85, no.3, pp.1-6, 2018 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Thin Films - Growth, Characterization and Electrochemical Applications**  
Sarf F. (Editor), Yakar E. (Editor), Karaduman Er I. (Editor)  
IntechOpen, London, 2024
- II. **Facile Synthesis and Spectral Studies of NiO Nanostructures**  
YAKAR E., SARF F.  
in: Developments in the Field of Engineering, Doç. Dr. Mehmet Temiz, Editor, Yaz Yayınevi, Afyon, pp.89-99, 2023

## Refereed Congress / Symposium Publications in Proceedings

- I. **WETTING BEHAVIOR OF TiO<sub>2</sub> COATING ON MWCNTs DECORATED ITO SURFACES**  
YAKAR E., SARF F.  
12th INTERNATIONAL CONGRESS ON ENGINEERING, ARCHITECTURE AND DESIGN, İstanbul, Turkey, 23 - 25 December 2023, pp.447-456
- II. **STRUCTURAL, OPTICAL AND SURFACE WETTABILITY PROPERTIES OF SPIN COATED Zn<sub>1-x</sub>Co<sub>x</sub>O THIN FILMS**  
SARF F., YAKAR E.  
Global Research on Multidisciplinary Sciences 2023, İstanbul, Turkey, 16 - 17 September 2023, pp.150-156
- III. **HYDROPHOBIC AgO THIN FILM PRODUCTION BY ULTRA-FAST CHEMICAL BATH DEPOSITION**  
Sarf F., Yakar E.  
9th INTERNATIONAL MARMARA SCIENCES CONGRESS, Kocaeli, Turkey, 9 - 10 December 2022, pp.625-627
- IV. **Comparison of Mechanical Properties of Hemp Fiber Reinforced Biocomposite Material and Plastic Materials: The Example of Çanakkale Furniture Industry**  
Ceylan C., YAKAR E.  
ICONST EST 2022, Budva, Montenegro, 07 September 2022, pp.1
- V. **CAMSI YAPIDAKİ PORSELEN KARO SIR KOMPOZİSYONLARINA GRANÜLE FRİT KATKILARININ ARAŞTIRILMASI**  
SARI K., YAKAR E.

TUBLOK V, Balıkesir, Turkey, 04 November 2021, pp.32

- VI. **A Correlation Between Oxygen Vacancies and Elemental Analysis in Single and Binary Transition Metal Oxide Structures**  
Sarf F., Yakar E.  
Advances in Functional Materials Conference AAAFM-UCLA August, 18-20, 2021, California, United States Of America, 18 - 20 August 2021
- VII. **Influence Of [Sn, Zn] Molar Ratio On The Structural And Optical Properties Of SnO<sub>2</sub>/ZnO Nanocomposites**  
YAKAR E.  
ANADOLU KONGRELERİ 5. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, Diyarbakır, Turkey, 26 December 2020, pp.74
- VIII. **Seramik Kaplama Malzemelerinde CaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> Sisteminde Kullanılacak Beyazlık Performansını Arttırıcı Mazeme Karakterizasyon Çalışmaları**  
YAKAR E., ÇIRPIN A.  
TUBLOK IV, Kırklareli, Turkey, 14 November 2019, pp.30-31
- IX. Yakar E., Harbili Çolak S.  
TUBLOK 2019 (Trakya Üniversiteler Birliği IV. Lisansüstü Öğrenci Kongresi), Kırklareli, Turkey, 14 - 15 November 2019, pp.2-3
- X. **CO-PRECIPIRATION AND CHARACTERIZATION OF ZN DOPED CDO NANOPARTICLES**  
YAKAR E., ÖZÜTOK F.  
VI. INTERNATIONAL CONGRESS ON MATHEMATICS, ENGINEERING NATURAL HEALTH SCIENCES, Adana, Turkey, 8 - 10 March 2019, pp.368-377
- XI. **OPTICAL CHARACTERIZATION OF WO<sub>3</sub> FILMS BY METAL DOPING**  
SARF F., YAKAR E.  
VI. INTERNATIONAL CONGRESS ON MATHEMATICS, ENGINEERING & NATURAL & HEALTH SCIENCES, Adana, Turkey, 8 - 10 March 2019
- XII. **CO-PRECIPIRATION AND CHARACTERIZATION OF ZN DOPED CDO NANOPARTICLES**  
YAKAR E., SARF F.  
VI. INTERNATIONAL CONGRESS ON MATHEMATICS, ENGINEERING & NATURAL & HEALTH SCIENCES, Adana, Turkey, 8 - 10 March 2019, pp.368-377
- XIII. **Annealing Time Effect on the Optical Properties of Zn(O,OH,S) Films onto ZnO Seed Layer Under Unvacuum Ambient**  
ÖZÜTOK F., YAKAR E.  
The International Joint Science Congress of Materials and Polymers, Białka Tatrzańska, Poland, 3 - 07 September 2017
- XIV. **Synthesis and characterization of micro-structure ZnFe<sub>2</sub>O<sub>4</sub> films onto ZnO seed layer depending on the complex agent**  
YAKAR E., ÖZÜTOK F.  
XIV th International Conference on Molecular Spectroscopy, Białka Tatrzańska, Poland, 3 - 07 September 2017
- XV. **USING ACTIVE PACKAGING TO PRESERVE QUALITY OF SWEET CHERRY**  
topuz o., atan m., YAKAR E., ADAY M. S., TEMİZKAN R.  
The International Joint Science Congress of Materials and Polymers, Ohrid, Macedonia, 25 - 28 August 2017
- XVI. **EFFECT OF PACKAGING MATERIALS ON MUSHROOM QUALITY DURING DIFFERENT TRANSPORTATION FREQUENCIES**  
öztürk m., atan m., YAKAR E., ADAY M. S., TEMİZKAN R., topuz o.  
The International Joint Science Congress of Materials and Polymers, Ohrid, Macedonia, 25 - 28 August 2017
- XVII. **Radar Absorbing Materials Used in Aviation: Synthesis of Barium Hexaferrite by Sol-Gel Method**  
Doğan g., ADAY M. S., YAKAR E.  
The International Joint Science Congress of Materials and Polymers, Ohrid, Macedonia, 25 August 2017 - 28 August 2018
- XVIII. **Development of a New Optical Method for Determining The Phase Transitions in A<sub>3</sub>B<sub>3</sub>C<sub>2</sub>6**

## **Ferroelectric Semiconductors**

YILDIRIM ş. t., YAKAR E.

The International Joint Science Congress of Materials and Polymers, Ohrid, Macedonia, 25 - 28 August 2017

### **XIX. QUALITY EXTENSION OF FRESH LEMONS BY USING THEBREATHWAY MEMBRANE TECHNOLOGY**

atan m., öztürk m., YAKAR E., ADAY M. S., TEMİZKAN R., shehbaz s.

The International Joint Science Congress of Material and Polymers, Ohrid, Macedonia, 25 - 28 August 2017

### **XX. ZnO OH S İnce Filmlerinin Zn S Molar Oranına Bağlı Olarak Değişen Optik Özellikleri**

SARF F., YAKAR E., Doğan G.

22. Yoğun Madde Fiziği, Ankara, Turkey, 16 December 2016

### **XXI. Tavlama Sıcaklığına Bağlı Olarak Zn O S Filmlerinin DeğişenOptik Özelliklerinin İncelenmesi**

SARF F., YAKAR E., Doğan G., Demiri S.

FOTONİK 2016, 18. ulusal optik, elektro-optik ve fotonik çalıştay, Ankara, Turkey, 23 October 2016

### **XXII. An Optical Method to Determining The Phase Transitions in TlGaSe2 Ferroelectric Semiconductor**

YAKAR E.

Ulusal Fotonik ve Sensor Bilimi ve Teknolojileri Konferansı, Kocaeli, Turkey, 25 September 2012

### **XXIII. Effect of External Fields On Negative Thermal Expansion of TlGaSe2 Layered Crystals**

YAKAR E.

Ulusal Fotonik ve Sensor Bilimi ve Teknolojileri Konferansı, Kocaeli, Turkey, 25 September 2012

## **Supported Projects**

Sarf F., Acar S., Karaduman Er I., Yakar E., Project Supported by Higher Education Institutions, Investigation of the Effect of Frequency Measurement Temperature and Substrate on the Dielectric Properties of MAPbI3 Thin Films, 2024 - 2025

Sarf F., Yakar E., Project Supported by Higher Education Institutions, The Effect of Annealing Process on Hall Effect Measurements of Fe3O4 Thin Films, 2023 - 2024

YAKAR E., SARF F., Project Supported by Higher Education Institutions, Li-İyon Pilleri için NiFe2O4 Gözenekli Nanofiberlerinin Yüksek Kapasiteli Anot Malzemesi Olarak Sentezlenmesi ve Karakterizasyonu, 2019 - 2022

ADAY M. S., ATAN M., YAKAR E., Project Supported by Higher Education Institutions, Limonlarda Breathway Membran Teknolojisinin Kaliteye Etkisi, 2017 - 2019

YAKAR E., ÖZÜTOK F., Project Supported by Higher Education Institutions, Mikroyapıda ZnFe2O4 Filmlerinin Kompleks Etmene Bağlı Olarak Değişen Optiksel ve Elektriksel Özelliklerinin İncelenmesi, 2017 - 2018

YAKAR E., Project Supported by Higher Education Institutions, Kadmiyum Oksit CdO Nanoparçacıkların Üretimi ve Karakterizasyonu, 2015 - 2017

YAKAR E., TUBITAK Project, Katmanlı Kristal Yapıya Sahip Yarıiletkenlere Dayalı Morötesi (UV) Işın Dedektörlerinin Tasarımı ve Ucuz Maliyetli Üretimi, 2006 - 2009

## **Scientific Refereeing**

PROCESSING AND APPLICATION OF CERAMICS, SCI Journal, March 2021

Project Supported by Higher Education Institutions, BAP Research Project, Yıldız Technical University, Turkey, February 2021

KOSGEB, KOSGEB, Turkey, February 2021

Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, February 2020

ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, July 2019

Technopark, Canakkale Onsekiz Mart University, Turkey, March 2019

Technopark, Canakkale Onsekiz Mart University, Turkey, June 2018

ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal,

March 2018

KOSGEB, KOSGEB, Turkey, May 2017

Project Supported by Higher Education Institutions, March 2017

Project Supported by Higher Education Institutions, September 2016

Project Supported by Higher Education Institutions, August 2015

TUBITAK Project, June 2015

Project Supported by Higher Education Institutions, May 2015

TUBITAK Project, April 2015

Project Supported by Higher Education Institutions, February 2015

## **Scientific Research / Working Group Memberships**

Optoelektronik Araştırma Grubu, GEBZE YÜKSEK TEKNOLOJİ ENSTİTÜSÜ, Türkiye, -, 2006 - Continues

Nanomalzemeler Araştırma Grubu, GEBZE YÜKSEK TEKNOLOJİ ENSTİTÜSÜ, Türkiye, -, 2006 - Continues

## **Metrics**

Publication: 60

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## **Awards**

YAKAR E., Kamu-Üniversite-Sanayi İşbirliği Çalışmalarına Sunulan Katkı, Çanakkale Bilim, Sanayi ve Teknoloji İl Müdürlüğü, August 2016

YAKAR E., Uluslararası Bilimsel Yayınları Teşvik, TÜBİTAK-UBYT, February 2012

YAKAR E., Uluslararası Bilimsel Yayınları Teşvik, TÜBİTAK-UBYT, July 2011

YAKAR E., Uluslararası Bilimsel Yayınları Teşvik, TÜBİTAK-UBYT, September 2009

YAKAR E., Uluslararası Bilimsel Yayınları Teşvik, TÜBİTAK-UBYT, October 2008