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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-1310-2019

ScopusID: 55335198600

Yoksis Researcher ID: 219670

Biography

Kayseriliyim. Erciyes Üniversitesi Fizik bölümü mezunuyum. Aynı üniversitede Fen Bilimleri Enstitüsünde tezli yüksek lisans tamamlayarak doktora eğitimi için MEB bursu kazanarak Amerika Birleşik Devletlerine gittim. Mississippi State University'de Fiber Halka Döngü Sönümlenme Spektroskopisi tekniği ve fiber optik sensör ağı üzerine doktora yaptım. Ülkemize dönüş yaptıktan sonra Eskişehir Osmangazi Üniversitesinde göreve başladım ve 2021 yılında Optik alanında doçentliğimi aldım.

Education Information

Doctorate, Mississippi State University, Uygulamalı Fizik, Bagley College of Engineering, United States Of America 2009 - 2013

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 2005 - 2007

Undergraduate, Erciyes University, Fen-Edebiyat Fakültesi, Fizik Pr., Turkey 2001 - 2005

Foreign Languages

English, C2 Mastery

Dissertations

Doctorate, Time domain fiber loop ringdown sensor and sensor network, Mississippi State University, Uygulamalı Fizik, 2013

Postgraduate, İletken polimer/p-Si diyotlarının üretimi ve elektriksel özellikleri, Erciyes University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2007

Research Areas

Biomedical Optics, Nanotechnology, Optics and Photonics, Renewable energy, Lasers and Masers, Biomedical

Engineering, Electrochemical Processes, Semiconductor and Superconductor Materials, Chemical and Electrochemical Properties, Material Characterization, Nanomaterials, Biosensor, Atomic and Molecular Interactions, Molecular Properties and Interactions with Photon, Interdisciplinary Physics and Related Science and Technology Areas, Optics, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Atomic and Molecular Spectroscopy, Sensors, Spectroscopical Methods, Spectroscopy

Academic Titles / Tasks

Associate Professor, Eskisehir Osmangazi University, SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ, 2021 - Continues

Lecturer PhD, Eskisehir Osmangazi University, SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ, 2016 - 2021

Research Assistant PhD, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2013 - 2015

Research Assistant, Mississippi State University, Fizik Ve Astronomi Bölümü, Fizik, 2012 - 2013

Academic and Administrative Experience

Head of Department, Eskisehir Osmangazi University, SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ, 2023 - Continues

Courses

Undergraduate

PHYSICS II, Undergraduate, 2017 - 2018, 2016 - 2017

PHYSICS I, Undergraduate, 2017 - 2018, 2016 - 2017

Associate Degree

STAJ I, Associate Degree, 2017 - 2018

FİZİK GEOMETRİK OPTİK I, Associate Degree, 2017 - 2018

TEKNİK BİLGİSİ VE TEKNİK KULLANIMI, Associate Degree, 2017 - 2018, 2016 - 2017

OPTİK ALETLER KULLANIMI, Associate Degree, 2017 - 2018, 2016 - 2017

OPTİSYENLİK II, Associate Degree, 2017 - 2018, 2016 - 2017

OPTİSYENLİK I, Associate Degree, 2017 - 2018, 2016 - 2017

STAJ II, Associate Degree, 2017 - 2018

FİZİK GEOMETRİK OPTİK II, Associate Degree, 2017 - 2018, 2016 - 2017

MALZEME BİLGİSİ, Associate Degree, 2016 - 2017

STAJ I (OPTİSYENLİK I), Associate Degree, 2016 - 2017

STAJ II (OPTİSYENLİK II), Associate Degree, 2016 - 2017

OPTİSYENLİK III, Associate Degree, 2016 - 2017

STAJ III (OPTİSYENLİK III), Associate Degree, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Analysis of Surface Roughness and Strain Durability of Eyeglasses Frames by the 3D Printing Technology**
KAYA B. M., BOYRAZ S.
ACS Omega, 2025 (SCI-Expanded)
- II. Electrosprayed MnFe₂O₄/PVDF membrane integrated microfluidic chip for amoxicillin removal with real-time monitoring of pH and dissolved oxygen**

Dabagh S., Javanifar R., Kaya M., Ebrahimi A., Guven S., Kaya B. M., Esenturk O., Aşkın A., Doğan Güzel F., Uysal O., et al.

JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.12, no.6, 2024 (SCI-Expanded)

- III. **A novel single mode fiber optic temperature sensor combined with the FLRDS technique**
KAYA B. M.
Physica Scripta, vol.99, no.9, 2024 (SCI-Expanded)
- IV. **Coating effects of a strain sensor on durability and sensitivity using the fiber loop ringdown spectroscopy technique**
KAYA B. M., ESENTÜRK O., AŞICI C., Sarac U., DINDIŞ G., BAYKUL M. C.
PHYSICA SCRIPTA, vol.99, no.5, 2024 (SCI-Expanded)
- V. **Improvement of some physical and magnetic properties of nanocrystalline Fe₁₅-Ni₈₅/ITO thin films by galvanostatic pretreatment process**
Saraç U., Baykul M. C., Dındış G., Trong D. N., Kaya B. M., Lan D. P., Long V. C., Tălu S.
MATERIALS TODAY COMMUNICATIONS, vol.35, 2023 (SCI-Expanded)
- VI. **The effect of boric acid content on the properties of electrochemically prepared Ni-Fe/ITO thin films**
Sarac U., Kaya B. M., Baykul M. C.
DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, no.3, pp.1137-1145, 2021 (SCI-Expanded)
- VII. **THE ROLE OF DEPOSITION TEMPERATURE ON PARTICLE SIZE, ROUGHNESS PARAMETERS, MAGNETIC AND STRUCTURAL FEATURES OF ELECTROCHEMICALLY GROWN Ni-Fe/ITO SAMPLES**
Saraç U., Kaya M., Baykul M. C.
DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, vol.16, no.1, pp.51-60, 2021 (SCI-Expanded)
- VIII. **Bath temperature-dependent structural properties, coercive force, surface morphology and surface texture of electrochemically grown nanostructured Ni-Co/ITO thin films**
SARAÇ U., KAYA M., BAYKUL M. C.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.126, no.3, 2020 (SCI-Expanded)
- IX. **Highly sensitive fiber optic pressure sensors for wind turbine applications**
KAYA M., ESENTÜRK O.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.5, pp.2789-2796, 2020 (SCI-Expanded)
- X. **Fiber optic chemical sensors for water testing by using fiber loop ringdown spectroscopy technique**
Kaya M.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.28, no.5, pp.2375-2384, 2020 (SCI-Expanded)
- XI. **Study of strain measurement by fiber optic sensors with a sensitive fiber loop ringdown spectrometer**
Kaya M., Esenturk O.
Optical Fiber Technology, vol.54, 2020 (SCI-Expanded)
- XII. **A Comparative Study on Microstructures, Magnetic Features and Morphologies of Ternary Fe-Co-Ni Alloy Thin Films Electrochemically Fabricated at Different Deposition Potentials**
SARAÇ U., KAYA M., BAYKUL M. C.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.32, no.4, pp.917-923, 2019 (SCI-Expanded)
- XIII. **Fiber Loop Ringdown Sensor for Potential Real-Time Monitoring of Cracks in Concrete Structures: An Exploratory Study**
Sahay P., Kaya M., Wang C.
SENSORS, vol.13, no.1, pp.39-57, 2013 (SCI-Expanded)
- XIV. **Reproducibly reversible fiber loop ringdown water sensor embedded in concrete and grout for water monitoring**
Kaya M., Sahay P., Wang C.
SENSORS AND ACTUATORS B-CHEMICAL, vol.176, pp.803-810, 2013 (SCI-Expanded)
- XV. **Evanescent field-fiber loop ringdown glucose sensor**
Wang C., Kaya M., Wang C.

- JOURNAL OF BIOMEDICAL OPTICS, vol.17, no.3, 2012 (SCI-Expanded)
- XVI. **Fiber loop ringdown DNA and bacteria sensors**
Herath C., Wang C., Kaya M., Chevalier D.
JOURNAL OF BIOMEDICAL OPTICS, vol.16, no.5, 2011 (SCI-Expanded)
- XVII. **Correlation between barrier heights and ideality factors of H-terminated Sn/p-Si(100) Schottky barrier diodes**
Boyarbay B., Cetin H., Kaya M., Ayyildiz E.
MICROELECTRONIC ENGINEERING, vol.85, no.4, pp.721-726, 2008 (SCI-Expanded)
- XVIII. **Temperature dependence of the current-voltage characteristics of Sn/PANI/p-Si/Al heterojunctions**
Kaya M., Cetin H., Boyarbay B., Gok A., Ayyildiz E.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.19, no.40, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of Negative Pressure on the Structure and Diffusion Process of Silicon Dioxide at a Liquefied Nitrogen Temperature Using Molecular Dynamics Simulations**
T̄alu Œ., Quoc T. T., Saraç U., KAYA B. M., Trong D. N.
Journal of Science and Transport Technology, vol.4, no.2, pp.13-23, 2024 (Scopus)
- II. **Contact Lens History, Contact Lens Types and Future of Contact Lens**
KURU MUTLU H., KAYA B. M., KIRANKABEŒ A.
Kırklareli Üniversitesi Mühendislik ve Fen Bilimleri Dergisi, vol.10, no.1, pp.54-65, 2024 (Peer-Reviewed Journal)
- III. **Application of fiber loop ringdown spectroscopy technique for a new approach to beta-amyloid monitoring for Alzheimer Disease's early detection**
Kaya B. M., Oz S., Esenturk O.
Biomedical Physics & Engineering Express, vol.10, no.3, pp.35037, 2024 (Scopus)
- IV. **The influence of deposit composition controlled by changing the relative Fe ion concentration on properties of electroplated nanocrystalline Co-Fe-Cu ternary thin films**
SARAÇ U., KAYA M., BAYKUL M. C.
TURKISH JOURNAL OF PHYSICS, vol.42, no.2, pp.136-145, 2018 (ESCI)
- V. **Synthesis of Ni-Fe thin films by electrochemical deposition technique and characterization of their microstructures and surface morphologies**
SARAÇ U., KAYA M., BAYKUL M. C.
TURKISH JOURNAL OF PHYSICS, vol.41, no.6, pp.536-544, 2017 (ESCI)
- VI. **Fiber loop ringdown glucose sensors: initial tests in human diabetic urines**
Kaya M., Wang C.
PROCEEDINGS OF SPIE, 2014 (Peer-Reviewed Journal)
- VII. **Fiber Optic Sensors and Sensor Networks Using a Time domain Sensing Scheme**
Wang C., Kaya M., Sahay P., Alah H., Reese R.
Optics and Photonics Journal, vol.3, no.2, pp.236-239, 2013 (Peer-Reviewed Journal)

Books

- I. **DİĒER SORUNLAR VE PROBLEMLER**
KAYA M.
in: LAZERLERİN TEMEL PRENSİPLERİ, Okan Esentürk, Malik Kaya, Editor, Akademisyen Kitabevi, pp.71-89, 2022
- II. **LAZERLERİN ÖZELLİKLERİ NASIL OLUŒUR?**
KAYA M.
in: LAZERLERİN TEMEL PRENSİPLERİ, Okan Esentürk, Malik Kaya, Editor, Akademisyen Kitabevi, pp.27-45, 2022
- III. **LAZERLERİN BENZERSİZ ÖZELLİKLERİ**

KAYA M.

in: LAZERLERİN TEMEL PRENSİPLERİ, Okan Esentürk, Malik Kaya, Editor, Akademisyen Kitabevi, pp.9-26, 2022

IV. GELECEKTE LAZERLERİN YERİ

KAYA M.

in: LAZERLERİN TEMEL PRENSİPLERİ, Okan Esentürk, Malik Kaya, Editor, Akademisyen Kitabevi, pp.103-109, 2022

V. STATİK DENGE

KAYA M.

in: FİZİK I (TEKNOLOJİNİN BİLİMSEL İLKELERİ) ÖZET KONU ANLATIMI VE SORU BANKASI, ÇAKMAK ŞADIYE, KURU MUTLU HÜLYA, Editor, AKADEMİSYEN, Eskişehir, pp.59-90, 2021

VI. DİNAMİK

KAYA M.

in: FİZİK I (TEKNOLOJİNİN BİLİMSEL İLKELERİ) ÖZET KONU ANLATIMI VE SORU BANKASI, ÇAKMAK ŞADIYE, KURU MUTLU HÜLYA, Editor, AKADEMİSYEN, Eskişehir, pp.91-122, 2021

VII. Aynalar

Kaya M.

in: Meslek Yüksekokulları İçin FİZİK-GEOMETRİK OPTİK I, Hülya Kuru Mutlu, Editor, Akademisyen Kitabevi, Eskişehir, pp.85-120, 2019

VIII. KÜRESEL KIRICI YÜZEYLER

Kaya M.

in: Meslek Yüksekokulları İçin FİZİK GEOMETRİK OPTİK I, Hülya Kuru Mutlu, Editor, Akademisyen Kitabevi, Eskişehir, pp.121-143, 2019

IX. İtme ve Momentum

Kaya M.

in: Meslek Yüksekokulları İçin Fizik I (Teknolojinin Bilimsel İlkeleri), Şadiye Çakmak, Editor, Akademisyen Kitabevi, Eskişehir, pp.118-132, 2018

X. Vektörler

Kaya M.

in: Meslek Yüksekokulları İçin Fizik I (Teknolojinin Bilimsel İlkeleri), Şadiye Çakmak, Editor, Akademisyen Kitabevi, Eskişehir, pp.18-34, 2018

XI. Fizik ve Ölçümler

Kaya M.

in: Meslek Yüksekokulları İçin Fizik I (Teknolojinin Bilimsel İlkeleri), Şadiye Çakmak, Editor, Akademisyen Kitabevi, Eskişehir, pp.9-17, 2018

XII. İtme ve Momentum

KAYA M.

in: Fizik I (Teknolojinin Bilimsel İlkeleri), Şadiye Çakmak, Editor, Akademisyen, Eskişehir, pp.118-132, 2018

XIII. Mühendislik Öğrencileri için FİZİK II DENEYLERİ LABORATUVAR KİTABI

ALĞIN E., PEKER D., İŞSEVER U. G., KILIÇ G., AŞICI C., ÇETİNKAYA ÇOLAK S., İLİK E., KARAKAYA S., KAYA M., KELLEGÖZ M.

Eskişehir Osmangazi Üniversitesi Yayınları No:281, Eskişehir, 2017

XIV. Manyetik Kuvvet

Kaya M.

in: Mühendislik Öğrencileri İçin FİZİK II DENEYLERİ LABORATUVAR KİTABI, Emel ALĞIN, Derya PEKER, Editor, Eskişehir Osmangazi Üniversitesi Yayınları, Eskişehir, pp.51-58, 2017

XV. Magnetic Force

Kaya M.

in: PHYSICS II EXPERIMENTS LABORATORY BOOK For Engineering Students, Emel Algın, Derya Peker, Editor, Eskişehir Osmangazi Üniversitesi Yayınları, Eskişehir, pp.49-58, 2017

Papers Published in Refereed Scientific Meetings

- I. **Integration of Micro- Environment Monitoring into the Organ-on-Chip System**
Dabagh S., Kaya B. M., Ebrahimi A., Eker Sariboyacı A., Uysal O., Ghorbanpoor H., Esentürk O., Avci H.
6. International Mediterranean Congress, Rome, Italy, 13 - 15 August 2024, pp.127-128
- II. **Fiber optic chlorine sensor by using fiber loop ringdown spectroscopy technique**
KAYA M.
3rd International Eurasian Conference on Biological and Chemical Sciences, 19 - 20 March 2020
- III. **RÜZGAR TÜRBİNLERİ İÇİN FİBER HALKA BASINÇ SENSÖRÜ UYGULAMALARI**
KAYA M., ESENTÜRK O.
21. Ulusal Optik, Elektro-Optik ve Fotonik Çalıştayı, Turkey, 06 September 2019
- IV. **Detection of Trace Elements in DI Water and Comparison of Several Water Solutions by Using EF-FLRD Chemical Sensors**
Kaya M., Wang C.
6th Congress and Exhibition on International Advances in Applied Physics and Materials Science (APMAS), İstanbul, Turkey, 1 - 03 June 2016, vol.1809
- V. **Fabrication and characterization of Au ZnO ITO Au heterojunctions**
KAYA M., EFEOĞLU H., Orhan N., SARAÇ U., BAYKUL M. C.
International Semiconductor Device Research Symposium 2016, 7 - 09 December 2016
- VI. **Fabrication and characterization of Au CdS Au contacts**
BAYKUL M. C., KAYA M., EFEOĞLU H., Orhan N., SARAÇ U.
International semiconductor device research semposium 2016, Maryland, United States Of America, 7 - 09 December 2016
- VII. **Effect of Cu content on surface roughness grain size magnetic and microstructural properties of electrodeposited nanocrystalline Ni Co Cu ternary thin films**
SARAÇ U., KAYA M., BAYKUL M. C.
12 th International Nanoscience and Nanotechnology Conference, 3 - 05 June 2016
- VIII. **Fiber Loop Ringdown Chemical Sensors**
KAYA M., WANG C.
2nd INTERNATIONAL CONGRESS ON BIOMATERIALS BIOSENSORS, 1 - 03 June 2016
- IX. **The role of Cu content on the morphological magnetic and microstructural properties of nanocrystalline Ni Co Cu ternary thin films grown by electrodeposition**
SARAÇ U., KAYA M., BAYKUL M. C.
5th INTERNATIONAL CONFERENCE ON SUPERCONDUCTIVITY AND MAGNETISM, 24 - 30 April 2016
- X. **Investigation of properties of electrochemically deposited nanocrystalline Co Fe Cu ternary thin films with different compositions**
SARAÇ U., KAYA M., BAYKUL M. C.
5th INTERNATIONAL CONFERENCE ON SUPERCONDUCTIVITY AND MAGNETISM, 24 - 30 April 2016
- XI. **Investigation of properties of electrochemically deposited nanocrystalline Co Fe Cu ternary thin films with different compositions**
SARAÇ U., KAYA M., BAYKUL M. C.
5 th ICSM 2016, 24 - 30 April 2016
- XII. **Differences observed in the surface morphology and microstructure of Ni-Fe-Cu ternary thin films electrochemically deposited at low and high applied current densities**
Sarac U., Kaya M., Baykul M. C.
International Conference on Quantum Science and Applications (ICQSA), Eskişehir, Turkey, 25 - 27 May 2016, vol.766
- XIII. **Study of layered ZnO thin films produced by electrochemical deposition technique**
BAYKUL M. C., KAYA M., NİLGÜN O.
SOLARTR 2014, 19 - 21 November 2014
- XIV. **Fiber loop ringdown glucose sensors: initial tests in human diabetic urines**

- KAYA M., Wang C.
DSS Sensing Technology Applications : Fiber Optic Sensors and Applications XI, 5 - 09 May 2014
- XV. **Monitoring Water in Concrete and Grout Structure by Using Fiber Loop Ringdown Technique**
KAYA M., SAHAY P., CHUJI W.
Graduate Student Research Symposium Conference, Turkey, 14 - 16 April 2014
- XVI. **Monitoring Concrete Structure Cracking Using Fiber Loop Ringdown Technique**
KAYA M., SAHAY P., WANG C.
Graduate Student Research Symposium Conference, Turkey, 14 - 16 April 2014
- XVII. **Comparison of Surface Morphologies And Optical Properties of Cds Thin Films Fabricated by Chemical Bath Deposition And Spray Pyrolysis Techniques**
KAYA M., BAYKUL M. C., ALTIOKKA B.
SOLARTR 2014, 19 - 21 November 2014
- XVIII. **WATER MONITORING IN CONCRETE AND GROUT STRUCTURE BY USING FIBER LOOP RINGDOWN TECHNIQUE**
KAYA M., WANG C.
MISSISSIPPI ACADEMY OF SCIENCES, SEVENTY-SEVENTH ANNUAL MEETING, Turkey, 21 - 22 February 2013
- XIX. **GLUCOSE SENSING BY EVANESCENT FIELD FIBER LOOP RINGDOWN TECHNIQUE**
KAYA M., WANG C.
MISSISSIPPI ACADEMY OF SCIENCES, SEVENTY-SEVENTH ANNUAL MEETING, Turkey, 21 - 22 February 2013
- XX. **Microwave Plasma Assisted Combustion of Premixed Ar CH₄ and He CH₄ Gases at Atmospheric Pressure**
CHUJI W., SRIVASTAVA N., KAYA M.
52nd Annual Meeting of the APS Division of Plasma Physics, 8 - 10 November 2010
- XXI. **TEMPERATURE DEPENDENCE OF THE CURRENT VOLTAGE CHARACTERISTICS OF Sn PANI p Si Al HETEROJUNCTIONS**
KAYA M., ÇETİN H., BOYARBAY B., AYYILDIZ E., GÖK A.
MISSISSIPPI ACADEMY OF SCIENCES, SEVENTY-FOURTH ANNUAL MEETING, United States Of America, 11 - 12 February 2010

Other Publications

- I. **Otonom Sistemler Teknolojisi**
Kaya M.
Other, pp.1-3, 2022
- II. **The Role of Sensors in New World Order**
Kaya M.
Other, pp.1-3, 2022

Supported Projects

- ÖZ S., KAR F., KAYA M., ORTADEVECİ A., ÖZDEN H., Project Supported by Higher Education Institutions, Unilateral A.carotis Comminusun iskemi/reperfüzyon Modelinde Dithiocarbomat ile Thymoquinone'nin Antioksidan Sistem ve Cerebrum Üzerindeki etkisinin araştırılması, 2022 - 2025
- KAYA B. M., SARAÇ U., ESENTÜRK O., BAYKUL M. C., AŞICI C., Project Supported by Higher Education Institutions, Kimyasal banyo biriktirme yöntemi ile CdS kaplanmış fiber optik sensörlerin mukavemet ve hassasiyet ölçümleri, 2021 - 2022
- Kaya M., Esentürk O., Öz S., Durmaz F., Project Supported by Higher Education Institutions, Fiber halka döngü sönümü tekniği kullanılarak Alzheimer Hastalığı erken teşhisi çalışması, 2018 - 2022

Kaya M., Öz S., Esentürk O., Project Supported by Higher Education Institutions, Fiber Halka Döngü Sönümleme Spektroskopi tekniği kullanılarak Eskişehir bölgesindeki suların klor analizi çalışması, 2019 - 2020

Baykul M. C., Kaya M., Project Supported by Higher Education Institutions, ZnO nanoçubukların yüzey alanlarının nano ölçekte sıcaklığa göre değişiminin incelenmesi, 2016 - 2020

Kaya M., Esentürk O., Project Supported by Higher Education Institutions, FİBER HALKA DÖNGÜ SÖNÜMLEME SPEKTROSKOPİ SENSÖRLERİN TEST EDİLMESİ VE UYGULANMASI, 2019 - 2019

Saraç U., Kaya M., Project Supported by Higher Education Institutions, Elektrodepozisyon Tekniği İle Üretilen Nanokristal Ni-Fe Ve Fe-Co-Ni Manyetik İnce Filmlerinin Yapısal, Manyetik Ve Yüzey Özellikleri, 2018 - 2019

Kaya M., Esentürk O., Project Supported by Higher Education Institutions, FİBER HALKA DÖNGÜ SÖNÜMLEME SPEKTROSKOPİ SENSÖRLERİN BİYOMEDİKAL UYGULAMALARI, 2018 - 2018

Kaya M., Esentürk O., Project Supported by Higher Education Institutions, FİBER HALKA DÖNGÜ SÖNÜMLEME SPEKTROSKOPİ TEMELLİ SENSÖR GELİŞTİRME, 2017 - 2017

KAYA B. M., Project Supported by Higher Education Institutions, Nikel (Ni)-Demir (Fe) ince filminin üretimi ve karakterizasyonu, 2016 - 2017

Kaya M., Baykul M. C., Saraç U., Project Supported by Higher Education Institutions, Nikel Ni Demir Fe ince filminin üretimi ve karakterizasyonu, 2016 - 2017

Patent

Kaya B. M., Dındış G., ELEKTRİKSEL KAVİTE DÖNGÜ SÖNÜMLEME TEKNİĞİ (EKDST), Patent, CHAPTER G Physics, The Invention Registration Number: 2023/005719 , Standard Registration, 2024

Kaya M., Esentürk O., COST-EFFECTIVE FIBER OPTIC PRESSURE AND STRAIN SENSOR SYSTEM USING 1550 NM CENTER WAVELENGTH LED LIGHT SOURCE WITH FLRDS TECHNIQUE AND APPLICATION METHOD RELATED TO THIS SYSTEM, Patent, CHAPTER G Physics, The Invention Registration Number: WO2022197274 , Standard Registration, 2022

Kaya M., Esentürk O., Aktaş S. H., THE FIBER RING LOOP DAMPING SPECTROSCOPY FIBER OPTIC SENSOR AND APPLICATION METHOD OF THE SENSOR FOR DIAGNOSIS OF SARS-COV-2 VIRUS FROM BREATH, Patent, CHAPTER A Human Needs, The Invention Registration Number: WO2022154771 , Standard Registration, 2022

Peer Reviews in Scientific Publications

OPTICAL FIBER TECHNOLOGY, SCI Journal, November 2022

MEASUREMENT: JOURNAL OF THE INTERNATIONAL MEASUREMENT CONFEDERATION, Journal Indexed in SCI-E, October 2022

KIRŞEHİR AHİ EVRAN ÜNİVERSİTESİ SAĞLIK BİLİMLERİ DERGİSİ , Other Journals, November 2020

MEASUREMENT, Journal Indexed in SSCI, October 2017

SENSOR LETTERS, Other Indexed Journal, May 2017

JOURNAL OF SPECTROSCOPY, Journal Indexed in SSCI, February 2016

Scientific Project Refereeing

Project Supported by Higher Education Institutions, University Supported Other Projects, October 2022

Project Supported by Higher Education Institutions, University Supported Other Projects, July 2022

Project Supported by Higher Education Institutions, BAP Research Project, April 2020

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, December 2017

Metrics

Publication: 66

Citation (WoS): 168

Citation (Scopus): 188

H-Index (WoS): 7

H-Index (Scopus): 7

Scholarships

MEB doktora bursu, Ministry of Education, 2007 - 2013

Awards

Kaya M., Saraç U., Gümüş Tabanlı Soğuk Plazma Antikanser Nanoçipleri, Bartın Üniversitesi, April 2018

Kaya M., Most Innovative Research, Mississippi State University, April 2012