

Assoc. Prof. BURAK MALİK KAYA

Personal Information

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International Researcher IDs

ORCID: 0000-0002-1251-6915

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

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 Spektroskopi 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

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

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

PHYSICS I, Undergraduate, 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. **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)
- II. **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., DINDİŞ G., BAYKUL M. C.
PHYSICA SCRIPTA, vol.99, no.5, 2024 (SCI-Expanded)
- III. **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)

- IV. **The effect of boric acid content on the properties of electrochemically prepared Ni-Fe/ITO thin films**
Saraç U., Kaya B. M., Baykul M. C.
DIGEST JOURNAL OF NANOMATERIALS AND BIOSTRUCTURES, no.3, pp.1137-1145, 2021 (SCI-Expanded)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **Evanescence field-fiber loop ringdown glucose sensor**
Wang C., Kaya M., Wang C.
JOURNAL OF BIOMEDICAL OPTICS, vol.17, no.3, 2012 (SCI-Expanded)
- XIV. **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)
- XV. **Correlation between barrier heights and ideality factors of H-terminated Sn/p-Si(100) Schottky barrier diodes**
Boyarbay B., Cetin H., Kaya M., Ayyıldız E.
MICROELECTRONIC ENGINEERING, vol.85, no.4, pp.721-726, 2008 (SCI-Expanded)
- XVI. **Temperature dependence of the current-voltage characteristics of Sn/PANI/p-Si/Al heterojunctions**
Kaya M., Cetin H., Boyarbay B., Gok A., Ayyıldız E.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.19, no.40, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **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)
- II. **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)
- III. **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)
- IV. **Fiber loop ringdown glucose sensors: initial tests in human diabetic urines**
Kaya M., Wang C.
PROCEEDINGS OF SPIE, 2014 (Peer-Reviewed Journal)
- V. **Fiber Optic Sensors and Sensor Networks Using a Time domain Sensing Scheme**
Wang C., Kaya M., Sahay P., Alali H., Reese R.
Optics and Photonics Journal, vol.3, no.2, pp.236-239, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **DİĞER SORUNLAR VE PROBLEMLER**
KAYA M.
in: LAZERLERİN TEMEL PRENSİPLERİ, Okan Esentürk, Malik Kaya, Editor, Akademisyen Kitabevi, pp.71-89, 2022
- II. **LAZERLERİN ÖZELLİKLERİ NASIL OLUŞUR?**
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 ŞADİYE, 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 ŞADİYE, 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 için 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 Algin, Derya Peker, Editor, Eskişehir Osmangazi Üniversitesi Yayınları, Eskişehir, pp.49-58, 2017

Refereed Congress / Symposium Publications in Proceedings

I. Integration of Micro- Environment Monitoring into the Organ-on-Chip System

Dabagh S., Kaya B. M., Ebrahimi A., Eker Sarıboyacı A., Uysal O., Ghorbanpoor H., Esentürk O., Avcı 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 Dithiocarbamat ile Thymoquinone'nin Antioksidan Sistem ve Cerebrum Üzerindeki etkisinin araştırılması, 2022 - Continues

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 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

Scientific Refereeing

OPTICAL FIBER TECHNOLOGY, SCI Journal, November 2022

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

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

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

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

Project Supported by Higher Education Institutions, BAP Research Project, Ege University, Turkey, April 2020

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

MEASUREMENT, Journal Indexed in SSCI, October 2017

SENSOR LETTERS, Other Indexed Journal, May 2017

JOURNAL OF SPECTROSCOPY, Journal Indexed in SSCI, February 2016

Metrics

Publication: 62

Citation (WoS): 168

Citation (Scopus): 187

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