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International Researcher IDs

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Publons / Web Of Science ResearcherID: V-2823-2018

ScopusID: 57429216900

Yoksis Researcher ID: 124687

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği ABD, Turkey 2014 - 2018

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği ABD, Turkey 2008 - 2011

Undergraduate, Mersin University, Faculty Of Engineering, Department Of Electrical And Electronics Engineering, Turkey 2000 - 2004

Dissertations

Doctorate, Fotoakustik Sinyal Algılanması İçin Fabry-Perot Sensör Geliştirilmesi, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği ABD, 2018

Postgraduate, Kırılma İndisi Değişimi Esaslı Bir Taşınabilir Optik Algılayıcı Tasarımı, Erciyes University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği ABD, 2011

Research Areas

Sensing Devices and Transducers, Optics and Photonics, Optical Materials and Devices, Optoelectronic Materials and Devices

Academic Titles / Tasks

Associate Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, 2022 - Continues

Assistant Professor, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, 2022 - 2022

Assistant Professor, Kırşehir Ahi Evran University, Faculty Of Engineering-Architecture, 2019 - 2022

Lecturer PhD, Kırşehir Ahi Evran University, Vocational School, 2018 - 2019

Lecturer, Kırşehir Ahi Evran University, Vocational School, 2008 - 2018

Visiting Lecturer, Mersin University, Tarsus Faculty Of Technical Education, Department Of Electronics And Computer

Education, 2006 - 2008

Academic and Administrative Experience

Deputy Head of Department, Bursa Uludağ University, MÜHENDİSLİK FAKÜLTESİ, ELEKTRİK-ELEKTRONİK MÜHENDİSLİĞİ, 2023 - 2026

Assistant Manager of Research and Application Center, Kirşehir Ahi Evran University, 2019 - 2022

Head of Department, Kirşehir Ahi Evran University, Vocational School, 2012 - 2019

Courses

Fotonik Algılama, Postgraduate, 2022 - 2023

Elektromanyetik Dalga Teorisi, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Photonics and Applications, Postgraduate, 2022 - 2023

Malzemelerin Elektriksel ve Manyetik Özellikleri, Postgraduate, 2021 - 2022, 2020 - 2021

Fundamentals of Optics and Photonics, Undergraduate, 2022 - 2023

Fotoniğin Temelleri, Undergraduate, 2021 - 2022

Elektromanyetik Alan Teorisi, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Fiber Optik, Undergraduate, 2021 - 2022

Fotonikte Elektromanyetik Dalgalar, Postgraduate, 2021 - 2022

Lineer Cebir, Undergraduate, 2020 - 2021

Spektroskopi, Postgraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Araştırma Teknikleri ve Bilimsel İletişim, Postgraduate, 2021 - 2022, 2019 - 2020

Diferansiyel Denklemler ve Uygulamaları, Postgraduate, 2020 - 2021

Bilim Etiği ve Bilim Tarihi, Postgraduate, 2019 - 2020

İleri Optimizasyon Uygulamaları, Postgraduate, 2019 - 2020

İleri Dijital Sinyal İşleme, Postgraduate, 2019 - 2020

Advising Theses

Hayber Ş. E., Nesnelerin İnterneti İçin Makine Öğrenmesine Dayalı Optik Lazer Sensörü, Postgraduate, B.Çavuş(Student), Continues

Hayber Ş. E., Duyguların algılanması için fotonik tabanlı akıllı giyilebilir cihaz tasarımı, Doctorate, M.Emre(Student), Continues

Hayber Ş. E., Şerit Testere Tezgahlarında, Kesici Takım Üzerinde Oluşan Kuvveti Algılayan Optik Tabanlı Sensör Tasarımı ve Uygulaması, Postgraduate, M.Berkan(Student), Continues

Hayber Ş. E., YÜZ İFADELERİNİN DERİN ÖĞRENME METODU İLE SINIFLANDIRILMASI, Postgraduate, S.HARAJ(Student), 2023

Hayber Ş. E., ÜÇ EKSENLİ YER DEĞİŞTİRME ÖLÇÜMÜ İÇİN FİBER OPTİK ALGILAYICI GELİŞTİRİLMESİ, Postgraduate, Y.GÖRKEM(Student), 2022

Hayber Ş. E., BİLGİSAYAR SALDIRILARI İÇİN TAHMİN, TESPİT VE KARŞI KOYMA YÖNTEMLERİ, Postgraduate, R.HUSSEIN(Student), 2022

Hayber Ş. E., YÜKSEK GERİLİM İLETKENLERİNDEKİ İKAZ KÜRELERİNİN GÖRÜNÜRLÜĞÜNÜN ARTIRILMASI, Postgraduate, M.FURKAN(Student), 2022

Hayber Ş. E., Küçük ölçekli uygulamalar için Maksimum Güç Noktası İzleme(MPPT) algoritması ile Güneş-Rüzgar hibrit sistem modelinin simülasyonu, Postgraduate, K.SABRI(Student), 2022

Hayber Ş. E., Fiber Optik Sensör Teknolojisi İle Endüstride Vibrasyon Ölçümü, Postgraduate, E.GEVŞEK(Student), 2021

Jury Memberships

Post Graduate, Post Graduate, Kırşehir Ahi Evran Üniversitesi, November, 2022
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, June, 2022
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, February, 2022
Doctorate, Doctorate, Aksaray Üniversitesi, February, 2022
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, January, 2022
Post Graduate, Post Graduate, Bursa Uludağ Üniversitesi, September, 2021
Post Graduate, Post Graduate, Kırşehir Ahi Evran Üniversitesi, July, 2021
Doctorate, Doctorate, Erciyes Üniversitesi, December, 2020
Academic Staff Examination, Academic Staff Examination, Kırşehir Ahi Evran Üniversitesi, December, 2020
Post Graduate, Post Graduate, Kırşehir Ahi Evran Üniversitesi, December, 2020
Doctoral Examination, Doctoral Examination, Erciyes Üniversitesi, November, 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Novel Method for UV Measurement Using PLA-based Photochromic Material and Machine Learning Models**
ERDOĞAN E., HAYBER Ş. E., SARAÇOĞLU Ö. G.
IEEE Sensors Journal, 2024 (SCI-Expanded)
- II. **ANN-based estimation of MEMS diaphragm response: An application for three leaf clover diaphragm based Fabry-Perot interferometer**
Yiğit E., Hayber Ş. E., Aydemir U.
Measurement: Journal of the International Measurement Confederation, vol.199, 2022 (SCI-Expanded)
- III. **Wind speed measurement with a low-cost polymer optical fiber anemometer based on Fresnel reflection**
Gucyetmez M., Keser S., Hayber Ş. E.
SENSORS AND ACTUATORS A-PHYSICAL, vol.339, 2022 (SCI-Expanded)
- IV. **Analytical analysis and experimental validation of optical power estimation in V-grooved polymer optical fibers**
Hayber Ş. E.
OPTIK, vol.254, 2022 (SCI-Expanded)
- V. **Fiber optic tactile sensor for surface roughness recognition by machine learning algorithms**
Keser S., Hayber Ş. E.
SENSORS AND ACTUATORS A-PHYSICAL, vol.332, 2021 (SCI-Expanded)
- VI. **Evanescence Field Absorption-Based Fiber Optic Sensor for Detecting Power Transformer Oil Degradation**
Hayber Ş. E., Tabaru T. E., Gucyetmez M.
FIBER AND INTEGRATED OPTICS, vol.40, no.4-6, pp.229-248, 2021 (SCI-Expanded)
- VII. **Analyzing the effect of dynamic properties of materials and operating medium on sensor parameters to increase the performance of diaphragm-based static/dynamic pressure sensors**
Tabaru T. E., Hayber Ş. E.
JOURNAL OF COMPUTATIONAL ELECTRONICS, vol.20, no.1, pp.643-657, 2021 (SCI-Expanded)
- VIII. **Design and simulation of a novel fungus-shaped center embossed diaphragm for fiber optic pressure sensors**
Hayber Ş. E., Aydemir U.
OPTICAL FIBER TECHNOLOGY, vol.61, 2021 (SCI-Expanded)
- IX. **3D sound source localization with fiber optic sensor array based on genetic algorithm**
Hayber Ş. E., Keser S.
OPTICAL FIBER TECHNOLOGY, vol.57, 2020 (SCI-Expanded)

- X. **The Experimental Validation of Designed Fiber Optic Pressure Sensors With EPDM Diaphragm**
Hayber Ş. E., Aydemir U., Tabaru T. E., Saraçoğlu Ö. G.
IEEE SENSORS JOURNAL, vol.19, no.14, pp.5680-5685, 2019 (SCI-Expanded)
- XI. **Use of 2D In₂Se₃ Single Crystal as a Diaphragm Material for Fabry-Perot Fiber Optic Acoustic Sensors**
Hayber Ş. E., Tabaru T. E., Aydemir U., Saraçoğlu Ö. G.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.14, no.4, pp.464-469, 2019 (SCI-Expanded)
- XII. **Spectral analysis for photoacoustic pressure sensor designs: Theoretical model improvement and experimental validation**
Tabaru T. E., Hayber Ş. E., Keser S., Saraçoğlu Ö. G.
SENSORS AND ACTUATORS A-PHYSICAL, vol.287, pp.76-83, 2019 (SCI-Expanded)
- XIII. **A novel approach based on simulation of tunable MEMS diaphragm for extrinsic Fabry-Perot sensors**
Hayber Ş. E., Tabaru T. E., Saraçoğlu Ö. G.
OPTICS COMMUNICATIONS, vol.430, pp.14-23, 2019 (SCI-Expanded)
- XIV. **A Simple, High Sensitive Fiber Optic Microphone Based on Cellulose Triacetate Diaphragm**
Hayber Ş. E., Tabaru T. E., Keser S., Saraçoğlu Ö. G.
JOURNAL OF LIGHTWAVE TECHNOLOGY, vol.36, no.23, pp.5650-5655, 2018 (SCI-Expanded)
- XV. **Frequency Domain Analysis of Laser and Acoustic Pressure Parameters in Photoacoustic Wave Equation for Acoustic Pressure Sensor Designs**
Tabaru T. E., Hayber Ş. E., Saraçoğlu Ö. G.
CURRENT OPTICS AND PHOTONICS, vol.2, no.3, pp.250-260, 2018 (SCI-Expanded)
- XVI. **Bent Fiber Sensor for Preservative Detection in Milk**
Saraçoğlu Ö. G., Hayber Ş. E.
SENSORS, vol.16, no.12, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Effect of Mesa Dimensions on MEMS Diaphragms for Fabry-Perot Interferometer Based Fiber Optic Sensors**
Durmaz A., Hayber Ş. E., Aydemir U.
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, vol.28, no.1, pp.177-192, 2023 (Peer-Reviewed Journal)
- II. **Different Control Methods Design for Wind Turbine in Hybrid Photovoltaic -Wind System**
Al-Janabi K. S. H., Hayber Ş. E.
International Journal of Mechanical and Production Engineering (IJMPE), vol.10, no.12, pp.21-25, 2022 (Peer-Reviewed Journal)
- III. **A New Warning Sphere Design with Side Emitting Optical Fiber Technology on Transmission Lines**
Güçyetmez M., Hayber Ş. E.
Uluslararası Mühendislik Araştırma ve Geliştirme Dergisi, vol.14, no.2, pp.735-742, 2022 (Peer-Reviewed Journal)
- IV. **Fiber Optic Sensor Design and Prototyping for Humidity Detection in Biogas Reactors**
Sahin M., Hayber Ş. E.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.24, no.4, pp.1623-1627, 2021 (ESCI)
- V. **Design Equation for Operating Frequency of Patch Antenna with a Rectangular Tuning Stub at Early Phase 5G Bands**
Hakanoğlu B. G., Hayber Ş. E., Türkmen M.
Academic Platform Journal of Engineering and Science, vol.9, no.3, pp.403-410, 2021 (Peer-Reviewed Journal)
- VI. **Milimetre Altı Ölçümler İçin Fiber Optik Yer Değiştirme Sensörü**
Hayber Ş. E., Tabaru T. E.
Avrupa Bilim ve Teknoloji Dergisi, no.24, pp.1-4, 2021 (Peer-Reviewed Journal)
- VII. **U-Shaped POF Sensor for Ethanol/Methanol Determination**

Tabaru T. E., Hayber Ş. E.

Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.37, no.1, pp.149-156, 2021 (Peer-Reviewed Journal)

VIII. **Experimental analysis of the correlation between ultrasonic velocity and metallographic and cutting performance parameters of boron carbide-doped diamond sockets**

Ekincioglu G., Tabaru T. E., Hayber Ş. E., Altındağ R.

MATERIAUX & TECHNIQUES, vol.108, no.4, 2020 (ESCI)

IX. **Comparative Analysis of the Effects of the Substrate Material and Deltoid Shaped Slots on Patch Antennas for 5G Networks at 37 GHz and 39 GHz**

HAKANOĞLU B. G., YALDUZ H., KOÇ İ. B., HAYBER Ş. E., TÜRKMEN M.

Avrupa Bilim ve Teknoloji Dergisi, pp.405-411, 2020 (Peer-Reviewed Journal)

X. **Yüksek Güç Transformatörlerindeki Kısmi Deşarj Tespitinde Diyafram Tabanlı Fabry-Perot İnterferometrik Basınç Sensörlerinin Performans İyileştirilmesi için Diyafram Analizi**

TABARU T. E., HAYBER Ş. E.

Avrupa Bilim ve Teknoloji Dergisi, pp.231-238, 2020 (Peer-Reviewed Journal)

XI. **Fiber Optik Fabry-Perot Akustik Sensörler için Yeni Bir Diyafram Malzemesi Olarak 2D GaSe Benzetimi**

Hayber Ş. E., Tabaru T. E., Aydemir U., Saraçoğlu Ö. G.

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.6, no.2, pp.369-381, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Rezonans**

HAYBER Ş. E.

in: Alternatif Akım Devre Analizi, , Editor, Alter Yayıncılık. Rek. Org. Ltd. Şti., Kırşehir, pp.155-198, 2011

Refereed Congress / Symposium Publications in Proceedings

I. **Şerit Testere Makinelerinin Kesme Parametrelerinin İş Parçasına Olan Etkisinin İncelenmesi**

Kınacı Y. E., Alisinoğlu M. B., HAYBER Ş. E.

6th International Congress on Engineering Sciences and Multidisciplinary Approaches, İstanbul, Turkey, December 2-3, 2023, İstanbul, Turkey, 02 December 2023, vol.46, pp.588-594

II. **Optimization of Cutting Parameters by Measuring Cutting Force in Sawing Machines**

Alisinoğlu M. B., HAYBER Ş. E.

International Conference on Machine Design 2023 (MD2023), Porto, Portugal, 07 September 2023

III. **Different Control Methods Design for Wind Turbine in Hybrid Photovoltaic -Wind System**

AL-JANABI K. S. H., HAYBER Ş. E.

the International Conference on Recent Innovations in Engineering and Technology (ICRIET), Muscat, UMMAN, 12 November 2022, pp.20-24

IV. **Classification of Facial Expressions Using CNN Algorithm**

Meshal S. H., HAYBER Ş. E.

Euro Asia 10th. International Congress on Applied Sciences, Ankara, Turkey, 07 August 2022, pp.295-304

V. **Akıllı Sensörlerin Gelişimi ve Akıllı Şebekeler için Fiber Optik Titreşim Sensörlerinin İncelenmesi**

GÜÇYETMEZ M., HAYBER Ş. E.

3rd International Conference on Applied Engineering and Natural Sciences ICAENS 2022, Konya, Turkey, 20 July 2022, pp.1921

VI. **Support Vector Regression Method for Deflection and Frequency Analysis of Center Embossed Diaphragms**

Durmaz A., AYDEMİR U., HAYBER Ş. E., YİĞİT E.

1st International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 May 2022

- VII. **Machine Learning-Based Estimation of Static and Dynamic Pressure Responses of Specially Designed Diaphragm Based Fabry-Perot Interferometer**
YİĞİT E., HAYBER Ş. E., AYDEMİR U., ÖZKAYA U.
1st International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 10 May 2022
- VIII. **Fiber Optic Surface Recognition Sensor**
Görkem Y., Hayber Ş. E.
13th International Scientific Research Congress Science and Engineering, Ankara, Turkey, 11 - 12 March 2022, pp.23-24
- IX. **Fiber Optic Three-Dimensional Displacement Sensor**
Görkem Y., Hayber Ş. E.
4. International Sciences and Innovation Congress, Ankara, Turkey, 19 - 20 February 2022, pp.71-72
- X. **Sistemin doğru performansını otomatik olarak sürdürmek için teknolojinin temeli olarak bilgisayar saldırılarını tespit etme ve tahmin etme yöntemleri ve bilgisayar saldırılarına karşı koyma yöntemleri**
ALHASOONI R. H. H., HAYBER Ş. E.
UBAK 2021 - 12th International Scientific Research Congress-Science and Engineering, Ankara, Turkey, 17 - 18 December 2021, vol.1, pp.22
- XI. **Developing the acceptance radius in interferometric sensors and determining sensor losses**
HAYBER Ş. E.
Çukurova 6th International Scientific Researches Conference, Adana, Turkey, 5 - 06 March 2021, pp.343-344
- XII. **Detection of transformer oil degradation with ultraviolet-visible spectrometric method**
TABARU T. E., HAYBER Ş. E.
International Symposium of Scientific Research and Innovative Studies (ISSRIS'21), Balıkesir, Turkey, 22 - 25 March 2021, pp.31-33
- XIII. **The effects of dynamic properties of diaphragm materials and medium on pressure sensors and determine the diaphragm material**
HAYBER Ş. E., TABARU T. E.
Çukurova 6th International Scientific Researches Conference, Adana, Turkey, 5 - 06 March 2021, pp.341-342
- XIV. **Milimetre Altı Ölçümler İçin Fiber Optik Yer Değiştirme Sensörü**
HAYBER Ş. E., TABARU T. E.
2nd International Conference On Access To Recent Advances In Engineering And Digitalization, Kayseri, Turkey, 10 - 12 March 2021
- XV. **Fiber optic humidity sensor for condensation detection in a new generation biogas reactor.**
ŞAHİN M., HAYBER Ş. E.
8th International Conference on Renewable Fuels, Combustion and Fires, Ankara, Turkey, 5 - 07 March 2021, pp.131-135
- XVI. **Determination of type and alcohol concentration in water with bended polymer optic fiber sensor**
HAYBER Ş. E., TABARU T. E.
11th International Congress on Mathematic, Engineering and Natural Sciences, Kara, Togo, 30 - 31 January 2021, pp.7-8
- XVII. **Transformatör Yağı Refraktif Endeksi ile Kırılma Gerilimi Arasındaki İlişkinin Araştırılması**
TABARU T. E., HAYBER Ş. E.
5th International Mardin Artuklu Scientific Researches Conference, Mardin, Turkey, 15 - 16 January 2021, pp.52-53
- XVIII. **Analysis of Diamond Sockets With Ultrasonic Method**
TABARU T. E., HAYBER Ş. E.
III. International İstanbul Scientific Research Congress, İstanbul, Turkey, 8 - 10 January 2021, pp.46
- XIX. **Comparative Analysis of the Effects of the Substrate Material and Deltoid Shaped Slots on Patch Antennas for 5G Networks at 37 GHz and 39 GHz**
HAKANOĞLU B. G., KOÇ İ. B., HAYBER Ş. E., YALDUZ H., TÜRKMEN M.
International Conference on Access to Recent Advances in Engineering and Digitalization ARACONF 2020, Kayseri, Turkey, 5 - 07 March 2020, pp.140-141

- XX. **Yüksek Güç Transformatörlerindeki Kısmi Deşarj Tespitinde Diyafram Tabanlı Fabry-Perot İnterferometrik Basınç Sensörlerinin Performans İyileştirilmesi için Diyafram Analizi**
TABARU T. E., HAYBER Ş. E.
International Conference on Access to Recent Advances in Engineering and Digitalization ARACONF 2020, Kayseri, Turkey, 5 - 07 March 2020, pp.82-83
- XXI. **Defected Grounded Rectangular Patch Antenna with Rhombic-Shaped Slots for Early Phase 5G Applications**
Hakanoglu B. G., Sen O., Koc B., Hayber Ş. E., TÜRKMEN M.
33rd General Assembly and Scientific Symposium of the International-Union-of-Radio-Science, Rome, Italy, 29 August - 05 September 2020
- XXII. **Optimization of Feed Line Parameters of a Square Microstrip Patch Antenna at 39 GHz for 5G Designs**
HAKANOĞLU B. G., HAYBER Ş. E., TÜRKMEN M.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT 2018), Ankara, Turkey, 19 - 21 October 2018, pp.11
- XXIII. **A New Geometry Design for Tuning Resonance Frequency in Diaphragm Based Fiber Optic Sensors**
HAYBER Ş. E., TABARU T. E., SARAÇOĞLU Ö. G.
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.719-720
- XXIV. **Frequency Domain Analysis of Photoacoustic Wave Equation for Acoustic Pressure Sensor Designs**
HAYBER Ş. E., TABARU T. E., SARAÇOĞLU Ö. G.
II. International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.721-722
- XXV. **A New Geometry Design to Adjust Sensor Sensitivity for Diaphragm-Based Optical Sensors**
TABARU T. E., HAYBER Ş. E., SARAÇOĞLU Ö. G.
International Conference on Theoretical and Applied Computer Science and Engineering 2018-Summer, İstanbul, Turkey, 29 - 30 June 2018, pp.82-83
- XXVI. **Time Domain Analysis of Photoacoustic Wave Equation for Acoustic Pressure Sensor Designs**
TABARU T. E., HAYBER Ş. E., SARAÇOĞLU Ö. G.
International Conference on Theoretical and Applied Computer Science and Engineering 2018-Summer, İstanbul, Turkey, 29 - 30 June 2018, pp.84-85
- XXVII. **A New Diaphragm Material for Fiber Optic Fabry-Perot AcousticSensors with 2D GaSe**
HAYBER Ş. E., TABARU T. E., AYDEMİR U., SARAÇOĞLU Ö. G.
IV. INTERNATIONAL MULTIDISCIPLINARYCONGRESS OF EURASIA (IV-IMCOFE), ROMA, Italy, 23 - 25 August 2017, pp.482
- XXVIII. **Fiber Optik İnterferometrik Akustik Basınç Sensörlerinde Diyafram Boyutlarının Belirlenmesi**
HAYBER Ş. E., TABARU T. E., SARAÇOĞLU Ö. G.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, pp.1910
- XXIX. **Influence of Pressure Caused by the Photoacoustic Effect on Parameters in Sensing Applications**
TABARU T. E., HAYBER Ş. E., SARAÇOĞLU Ö. G.
I. INTERNATIONALSCIENTIFIC AND VOCATIONALSTUDIES CONGRESS (BILMES 2017), Nevşehir, Turkey, 5 - 08 October 2017, pp.557-558
- XXX. **Using of 2D In2Se3 Single Crystal for Fabry-Perot Fiber Optic Acoustic Sensors as a Diaphragm Material**
HAYBER Ş. E., TABARU T. E., AYDEMİR U., SARAÇOĞLU Ö. G.
4th INTERNATIONAL CONFERENCE ON COMPUTATIONAL AND EXPERIMENTAL SCIENCE AND ENGINEERING (ICCESEN-2017), Antalya, Turkey, 4 - 08 October 2017, pp.462
- XXXI. **Selection of Fiber Optic Fabry-Perot Interferometer Parameter for Acoustic Sensing Applications**
HAYBER Ş. E., TABARU T. E., SARAÇOĞLU Ö. G.
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.189-195
- XXXII. **Kırılma indis değişimine duyarlı bir taşınabilir optik algılayıcı tasarımı**

HAYBER Ş. E., SARAÇOĞLU Ö. G.

4. Mühendislik ve Teknoloji Sempozyumu, Ankara, Turkey, 28 - 29 April 2011, pp.199-205

Supported Projects

Hayber Ş. E., Energy and Natural Resources Ministry, Fiber Teknolojili İnovatif Ölçüm Yöntemleri, 2023 - 2025

Hayber Ş. E., Çam E., Güçyetmez M., Energy and Natural Resources Ministry, Dağıtım Trafolarının Yağ Yaşlanma, Yağ Seviyesi İzleme ve Analiz Amaçlı Fiber Optik Tabanlı Yerli Sensör Tasarımı, 2022 - 2024

Hayber Ş. E., Project Supported by Higher Education Institutions, Fiber Optik Üç Boyutlu Hareket Algılayıcı Sensör Geliştirilmesi, 2022 - 2023

Hayber Ş. E., Kurban M., TUBITAK Project, Ahiler Diyarı Bilimle Şenleniyor, 2021 - 2021

Hayber Ş. E., Project Supported by Higher Education Institutions, Fiber Optik Akustik Basınç Sensörü Geliştirilmesi, 2019 - 2020

Aydemir U., Hayber Ş. E., TUBITAK Project, Diyafram Tabanlı Akustik Fiber Optik Sensör Geliştirilmesi, 2018 - 2019

Hayber Ş. E., Saraçoğlu Ö. G., Project Supported by Higher Education Institutions, Fotoakustik Sinyal Algılanması İçin Fabry-Perot Sensör Geliştirilmesi, 2016 - 2018

Hayber Ş. E., Dayangaç A., Project Supported by Higher Education Institutions, Elektronik ve Otomasyon Bölümü ile Elektrik ve Enerji Bölümlerindeki Uygulamalı Derslerin Kalitesinin Artırılması, 2012 - 2014

Hayber Ş. E., Yılmaz M., Project Supported by Higher Education Institutions, Değişik Çaplarda Rüzgâr Türbini Kanatlarının Farklı Rüzgâr Hızlarında Verimliliğinin İncelenmesi, 2011 - 2013

Hayber Ş. E., Karayığıt A. İ., Project Supported by Higher Education Institutions, Fiber Optik Yöntemlerle Farklı Sıvı İçeriklerinin Algılanmasında Mobil Sensör Tasarımı, 2010 - 2012

Patent

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