

Res. Asst. MUSTAFA KIRLAR

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAM-7708-2021

ScopusID: 58196158600

Yoksis Researcher ID: 282518

Education Information

Doctorate, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, Turkey 2019 - Continues

Postgraduate, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, Turkey 2014 - 2019

Undergraduate, Erciyes University, Mühendislik Fakültesi, Elektrik Elektronik Mühendisliği, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, SOLIDWORKS KATI MODELLEME, SETA MÜHENDİSLİK, 2014

Occupational Health and Safety, C SINIFI İŞ GÜVENLİĞİ UZMANLIĞI, ÇSGB, 2013

Dissertations

Postgraduate, DESIGN OF PLASMONIC NANOANTENNA ARRAYS INDICATING PERFECT ABSORPTION IN DUAL BAND,

Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2019

Research Areas

Electrical and Electronics Engineering, Electromagnetic, Electric and Magnetic Fields, Electromagnetic Waves, Antennas and Propagation, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Erciyes University, Mühendislik Fakültesi, Elektrik- Elektronik Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Simple and hybrid metalens with high polarization conversion efficiency for near-infrared spectrum**
Kırlar M., Aslan E., Aslan E., Turkmen M.
Optical Materials, vol.157, 2024 (SCI-Expanded)
- II. **Tungsten disulfide based anisotropic metalens for refractive index sensing applications in visible region**
Kırlar M., Aslan E., Aslan E., Türkmen M.
OPTİK, vol.290, pp.1-10, 2023 (SCI-Expanded)
- III. **Numerical analysis of spectrally tunable and polarization independent dual band plasmonic perfect absorber**
Kırlar M., Türkmen M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.38, no.4, pp.2025-2032, 2023 (SCI-Expanded)
- IV. **Ultra narrowband perfect absorber for refractive index sensing applications in mid-infrared region**
Kırlar M., Turkmen M.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, vol.37, no.6, pp.803-813, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Görünür Bölgede Galyum Katkılı Çinko Oksit Metalensin Tasarımı**
Kırlar M., Aslan E., Türkmen M., Aslan E.
URSI-TÜRKİYE 2023 XI. Bilimsel Kongresi, İstanbul, Turkey, 31 August - 02 September 2023, pp.1-3
- II. **Tungsten Disulfide Metalens in Visible Region**
Kırlar M., Aslan E., Aslan E., Türkmen M.
17th INTERNATIONAL NANOSCIENCE & NANOTECHNOLOGY CONFERENCE, İzmir, Turkey, 27 - 29 August 2023, pp.127
- III. **Iron Cross Shaped Nanoaperture Based Dual Band Plasmonic Perfect Absorbers for Bio-Sensing Applications**
Onur A., Kırlar M., Türkmen M.
10th International Conference on Advanced Technologies, Van, Turkey, 25 November - 27 December 2022, pp.414-418
- IV. **Fractal Based Nanoantenna Arrays For Biosensing Applications**
TÜRKMEN M., ASLAN E., KIRLAR M.
NRW Nano Conference – Innovations in Materials and Applications, 20 - 22 November 2018
- V. **Fractal plasmonic metamaterials for biosensing applications**
Türkmen M., Kırlar M., Aslan E.
8th NRW Nano-Conference, Dortmund, Germany, 21 - 22 November 2018, pp.1
- VI. **Spektroskopi Uygulamalarında Kullanılabilecek Parçacık Tabanlı Plazmonik Nanoanten Dizilerinin Tasarımı**
Kırlar M., Onur A., Türkmen M., Kaya S.
VIII. URSI-TÜRKİYE'2016 BİLİMSEL KONGRESİ, Ankara, Turkey, 1 - 03 September 2016, pp.1
- VII. **Optical Characteristics of UT-Shaped Multi-Resonant Metamaterials**
Kırlar M., Türkmen M., Kaya S.
12th Nanoscience and Nanotechnology Conference (NanoTR-12), Kocaeli, Turkey, 3 - 05 June 2016, pp.1

Supported Projects

Aslan E., TUBITAK Project, Kızılötesi ve Görünür Dalga Boyları için Meta-Lenslerin Tasarım, Üretim ve Karakterizasyonu, 2022 - 2025

Metrics

Publication: 11

Citation (WoS): 5

Citation (Scopus): 7

H-Index (WoS): 1

H-Index (Scopus): 2

Non Academic Experience

Kayseri İncesu OSB

Hasçelik Kablo Sanayi ve Ticaret A.Ş.

ASPİLSAN Enerji Sanayi Ticaret A.Ş.

Karel İnş. Elk. Tur. San. ve Tic. A.Ş.

Dener Mak. San. ve Tic. Ltd. Şti.