

Asst. Prof. ÖZNUR KÜÇÜKSARI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-5645-2018

Yoksis Researcher ID: 187157

Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Elektrik-Elektronik Mühendisliği (Dr), Turkey 2005 - 2014

Postgraduate, Yildiz Technical University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Pr., Turkey 2002 - 2005

Undergraduate, Yildiz Technical University, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Pr., Turkey 1997 - 2001

Dissertations

Doctorate, Novel multi-band metamaterials in microwave region with applications in antennas, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (Dr), 2014

Postgraduate, Optik dalga kılavuzlarında propagasyon özelliklerinin incelenmesi ve optik kuplör ile optik sensör analizi, Yıldız Teknik Üniversitesi, Mühendislik Fakültesi, Elektronik Ve Haberleşme Mühendisliği Pr., 2005

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2023 - Continues

Research Assistant PhD, Kocaeli University, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2014 - 2023

Research Assistant, Middle East Technical University, Faculty Of Engineering, Elektrik-Elektronik Mühendisliği Bölümü, 2005 - 2014

Expert, University of Arizona, College Of Engineering, Department Of Electrical And Computer Engineering, 2012 - 2013

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multi-functional metamaterial polarization convertor in S/C/X bands**
Turkmen-Kucuksari Ö.

- Optik, vol.282, 2023 (SCI-Expanded)
- II. **Gain enhancement of co-planar waveguide fed ultra-wide bandwidth monopole antenna with enlarged ground plane and metal reflectors**
Turkmen-Kucuksari Ö., Kocakaya A., Çakır G., Çimen S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.126, 2020 (SCI-Expanded)
 - III. **High constant gain modified antipodal Vivaldi antenna incorporated with a phase compensation lens and a frequency selective surface**
Turkmen-Kucuksari Ö., Kocakaya A., Çimen S., Çakır G.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, vol.113, 2020 (SCI-Expanded)
 - IV. **Metamaterial absorber-based sensor embedded into X-band waveguide**
Sabah C., Turkmen-Kucuksari Ö., Turhan-Sayan G.
ELECTRONICS LETTERS, vol.50, no.15, pp.1075-1076, 2014 (SCI-Expanded)
 - V. **SINGLE-, DUAL-, AND TRIPLE-BAND METAMATERIAL-INSPIRED ELECTRICALLY SMALL PLANAR MAGNETIC DIPOLE ANTENNAS**
Turkmen Ö., SAYAN G., Ziolkowski R. W.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, vol.56, no.1, pp.83-87, 2014 (SCI-Expanded)
 - VI. **Effects of using different boundary conditions and computational domain dimensions on modeling and simulations of periodic metamaterial arrays in microwave frequencies**
Turkmen Ö., EKMEKÇİ E., Turhan-Sayan G.
INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, vol.23, no.4, pp.459-465, 2013 (SCI-Expanded)
 - VII. **Nested U-ring resonators: a novel multi-band metamaterial design in microwave region**
Turkmen Ö., Ekmekci E., Turhan-Sayan G.
IET MICROWAVES ANTENNAS & PROPAGATION, vol.6, no.10, pp.1102-1108, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Multi-Band and Multi-Functional Metasurface Polarization Converter Improving Linear to Circular Polarization Conversion Band**
Küçüksarı Ö.
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.11, no.1, pp.161-173, 2024 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **PID Kontrolör Kullanılarak Top & Plaka Kontrolü**
KÜÇÜKSARI Ö.
TOK 2021 Otomatik Kontrol Ulusal Kongresi, Van, Turkey, 02 September 2021, pp.142-147
- II. **Metamalzeme Lensin Enine ve Boyuna Işıma Yapan Antenlerin Kazancı Üzerindeki Etkisinin Karşılaştırılması**
KÜÇÜKSARI Ö.
Uluslararası Akademik Araştırmalar Kongresi (International Congress Of Academic Research), 16 - 18 September 2019
- III. **UWB Gain Improvement of End-Fire Antenna Using Metamaterial Lens**
KÜÇÜKSARI Ö.
VI. Uluslararası Fen, Mühendislik ve Mimarlık Bilimlerinde Akademik Çalışmalar Sempozyumu, 13 - 15 June 2019
- IV. **Effect of the Different End Shapes on the Gain Flatness of the Antipodal Vivaldi Antenna**
KÜÇÜKSARI Ö., ÇİMEN S., ÇAKIR G.
ELECO 2017 10th International Conference on Electrical and Electronics Engineering November 30-December 2, 2017, Bursa, Turkey, 30 November - 02 December 2017

- V. **Effect of the Different End Shapes on the Gain Flatness of the Antipodal Vivaldi Antenna**
Turkmen-Kucuksari Ö., ÇİMEN S., ÇAKIR G.
10th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 30 November - 02 December 2017, pp.1027-1029
- VI. **İç İçe Geçmiş Çok Halkalı Çok Bantlı Metamalzeme Rezonatörleri**
KÜÇÜKSARI Ö., SAYAN G.
VII. URSI-Türkiye'2014 Bilimsel Kongresi, Elazığ, Turkey, 28 August 2014
- VII. **Metamaterial inspired, electrically small, GSM antenna with steerable radiation patterns and high radiation efficiency**
KÜÇÜKSARI Ö., SAYAN G., Ziolkowski R. W.
IEEE AP-S International Symposium, Orlando, United States Of America, 7 - 13 July 2013, pp.770-771
- VIII. **Effects of Using Different Boundary Conditions and Computational Domain Dimensions on Modelling and Simulations of Metamaterial Arrays in Microwave Frequencies**
KÜÇÜKSARI Ö., EKMEKÇİ E., SAYAN G.
12th Mediterranean Microwave Symposium (MMS 2012), 2 - 05 September 2012
- IX. **Effects of Having Dense Metamaterial Arrays on the Retrieved Parameter Results for Permittivity and Permeability**
SAYAN G., KÜÇÜKSARI Ö.
" IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting, 8 - 14 July 2012
- X. **Miniaturization of U-shaped multi-band metamaterial structures**
KÜÇÜKSARI Ö., EKMEKÇİ E., SAYAN G.
2011 XXXth URSI General Assembly and Scientific Symposium, 13 - 20 August 2011
- XI. **Parametric investigation of a new multi-band metamaterial design: U-shaped multiple ring magnetic resonators**
KÜÇÜKSARI Ö., EKMEKÇİ E., SAYAN G.
2011 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION (APSURSI), Spokane, United States Of America, 3 - 08 July 2011, pp.1516-1518
- XII. **A New Multi-ring SRR Type Metamaterial Design with Multiple Magnetic Resonances**
KÜÇÜKSARI Ö., EKMEKÇİ E., SAYAN G.
PIERS 2011 MARRAKESH: PROGRESS IN ELECTROMAGNETICS RESEARCH SYMPOSIUM, Marrakush, Morocco, 20 - 23 March 2011, pp.315-319
- XIII. **Optik Fiber İnterferometrik Sensörlerin Analizi**
ÜNVERDİ N. Ö., KÜÇÜKSARI Ö.
8. Ulusal Fotonik Çalıştayı, İstanbul, Turkey, 15 September 2006
- XIV. **Optik Fiber İnterferometrik Sensörlerde Propagasyon Analizi**
ÜNVERDİ N. Ö., ÜNVERDİ N. A., KÜÇÜKSARI Ö.
SİU 2006 IEEE 14. Sinyal İşleme ve İletişim Uygulamaları Kurultayı, Antalya, Turkey, 17 April 2006
- XV. **Optik Fiber İnterferometrik Sensörle Basınç ve Sıcaklık Ölçümünün Analizi**
ÜNVERDİ N. Ö., KÜÇÜKSARI Ö.
II. İletişim Teknolojileri Ulusal Sempozyumu (İTUSEM 2005), Adana, Turkey, 17 November 2005

Supported Projects

Çakır G., Çimen S., Küçüksarı Ö., TUBITAK Project, Ultra Geniş Bantlı Radar Sistemleri İçin Hibrit Yöntemler Kullanarak Yüksek Kazançlı Anten Tasarımı, 2016 - 2019

Metrics

Publication: 26

Citation (WoS): 85

Citation (Scopus): 113

H-Index (WoS): 5

H-Index (Scopus): 5

Non Academic Experience

The University of Arizona, Tucson, Arizona, Amerika