

Prof.Dr. GÖNÜL SAYAN

Kişisel Bilgiler

İş Telefonu: [+90 312 210 2371](tel:+903122102371)

Fax Telefonu: [+90 312 210 2304](tel:+903122102304)

E-posta: gtsayan@metu.edu.tr

Web: <http://blog.metu.edu.tr/gtsayan/>

Posta Adresi: gtsayan@metu.edu.tr

Eğitim Bilgileri

Doktora, Ohio State University, Elektrik-Elektronik Mühendisliği, Amerika Birleşik Devletleri 1983 - 1988

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektrik Ve Elektronik Mühendisliği (YI) (Tezli), Türkiye 1980 - 1981

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Türkiye 1974 - 1979

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Elektromanyetik, Elektromanyetik Dalgalar, Antenler ve Propagasyon, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2003 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1994 - 2003

Yrd.Doç.Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1992 - 1994

Araştırma Görevlisi, Ohio State University, Faculty Of Engineering, Electrical Engineering Department, 1984 - 1988

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1980 - 1984

Mesleki Deneyim

Rektör Yardımcısı, Orta Doğu Teknik Üniversitesi, 2016 - 2017

Bölüm Başkanı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 2013 - 2016

Yönetilen İşler

- SAYAN G., DESIGN AND REALIZATION OF A BROAD BAND ANTENNA LOADED WITH A METAMATERIAL-INSPIRED LENS FOR SUBSURFACE MICROWAVE IMAGING APPLICATIONS, Yüksek Lisans, Ö.YEŞİLYURT(Öğrenci), 2019
- SAYAN G., Design, fabrication and characterization of an ultra-broadband metamaterial absorber using bismuth in the near infrared region, Yüksek Lisans, İ.ÖZBAY(Öğrenci), 2018
- SAYAN G., Metamaterial based wideband infrared absorbers, Doktora, K.ÜSTÜN(Öğrenci), 2017
- SAYAN G., Novel multi-band metamaterials in microwave region with applications in antennas, Doktora, Ö.KÜÇÜKSARI(Öğrenci), 2014
- SAYAN G., Electromagnetic analysis and design of miniaturized branchline couplers, Yüksek Lisans, G.ORKUN(Öğrenci), 2014
- SAYAN G., Electromagnetic target recognition for lossy and dispersive dielectric objects: Applications to breast tissue classification and tumor detection problem, Yüksek Lisans, B.İŞİK(Öğrenci), 2014

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Response to "Comment on 'Sliding planar conjoined cut-wire-pairs: A novel approach for splitting and controlling the absorption spectra'" [J. Appl. Phys. 128, 126101 (2020)]**
Karacan N., EKMEKÇİ E., SAYAN G.
JOURNAL OF APPLIED PHYSICS, cilt.128, 2020 (SCI İndekslerine Giren Dergi)
- **Bismuth plasmonics for extraordinary light absorption in deep sub-wavelength geometries**
Ozbay I., Ghobadi A., BÜTÜN B., Turhan-Sayan G.
OPTICS LETTERS, cilt.45, ss.686-689, 2020 (SCI İndekslerine Giren Dergi)
- **Metasurface Lens for Ultra-Wideband Planar Antenna**
Yesilyurt O., Turhan-Sayan G.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.68, ss.719-726, 2020 (SCI İndekslerine Giren Dergi)
- **Broadband LWIR and MWIR metamaterial absorbers with a simple design topology: almost perfect absorption and super-octave band operation in MWIR band**
ÜSTÜN K., Turhan-Sayan G.
JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, cilt.34, 2017 (SCI İndekslerine Giren Dergi)
- **Ultra-broadband long-wavelength infrared metamaterial absorber based on a double-layer metasurface structure**
ÜSTÜN K., Turhan-Sayan G.
JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, cilt.34, ss.456-462, 2017 (SCI İndekslerine Giren Dergi)
- **Comparison of coherently coupled multi-cavity and quantum dot embedded single cavity systems**
KOCAMAN S., Sayan G.
OPTICS EXPRESS, cilt.24, ss.29330-29342, 2016 (SCI İndekslerine Giren Dergi)
- **Wideband long wave infrared metamaterial absorbers based on silicon nitride**
ÜSTÜN K., Turhan-Sayan G.
JOURNAL OF APPLIED PHYSICS, cilt.120, 2016 (SCI İndekslerine Giren Dergi)
- **Large bandwidth mode order converter by differential waveguides**
Oner B. B., ÜSTÜN K., Kurt H., Okyay A. K., Turhan-Sayan G.
OPTICS EXPRESS, cilt.23, ss.3186-3195, 2015 (SCI İndekslerine Giren Dergi)
- **Metamaterial absorber-based sensor embedded into X-band waveguide**
SABAH C., TURKMEN-KUCUKSARI O., Turhan-Sayan G.
ELECTRONICS LETTERS, cilt.50, ss.1075-1076, 2014 (SCI İndekslerine Giren Dergi)
- **SINGLE-, DUAL-, AND TRIPLE-BAND METAMATERIAL-INSPIRED ELECTRICALLY SMALL PLANAR MAGNETIC DIPOLE ANTENNAS**
Turkmen O., Turhan-Sayan G., Ziolkowski R. W.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.56, ss.83-87, 2014 (SCI İndekslerine Giren Dergi)
- **Effects of using different boundary conditions and computational domain dimensions on modeling**

and simulations of periodic metamaterial arrays in microwave frequencies

Turkmen O., EKMEKÇİ E., Turhan-Sayan G.

INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.23, ss.459-465, 2013
(SCI İndekslerine Giren Dergi)

● **Non-destructive recognition of dielectric coated conducting objects by using WD type time-frequency transformation and PCA-based fusion**

Turhan-Sayan G., ERGİN E.

INTERNATIONAL JOURNAL OF RF AND MICROWAVE COMPUTER-AIDED ENGINEERING, cilt.23, ss.403-409, 2013
(SCI İndekslerine Giren Dergi)

● **Multi-functional metamaterial sensor based on a broad-side coupled SRR topology with a multi-layer substrate**

EKMEKÇİ E., Turhan-Sayan G.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.110, ss.189-197, 2013 (SCI İndekslerine Giren Dergi)

● **Nested U-ring resonators: a novel multi-band metamaterial design in microwave region**

Turkmen O., EKMEKÇİ E., Turhan-Sayan G.

IET MICROWAVES ANTENNAS & PROPAGATION, cilt.6, ss.1102-1108, 2012 (SCI İndekslerine Giren Dergi)

● **Hybrid-shaped single-loop resonator: a four-band metamaterial structure**

Yurduseven O., Yilmaz A. E., Turhan-Sayan G.

ELECTRONICS LETTERS, cilt.47, ss.1381-1382, 2011 (SCI İndekslerine Giren Dergi)

● **Enhanced transmission of electromagnetic waves through split-ring resonator-shaped apertures**

Sahin L., Aydin K., Sayan G., Ozbay E.

JOURNAL OF NANOPHOTONICS, cilt.5, 2011 (SCI İndekslerine Giren Dergi)

● **Frequency tunable terahertz metamaterials using broadside coupled split-ring resonators**

Ekmekci E., Strikwerda A. C., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.

PHYSICAL REVIEW B, cilt.83, 2011 (SCI İndekslerine Giren Dergi)

● **Triangular-Shaped Single-Loop Resonator: A Triple-Band Metamaterial With MNG and ENG Regions in S/C Bands**

Yurduseven O., Yilmaz A. E., Turhan-Sayan G.

IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, cilt.10, ss.701-704, 2011 (SCI İndekslerine Giren Dergi)

● **Single loop resonator: dual-band magnetic metamaterial structure**

EKMEKÇİ E., Turhan-Sayan G.

ELECTRONICS LETTERS, cilt.46, ss.324-325, 2010 (SCI İndekslerine Giren Dergi)

● **Radar target classification method with reduced aspect dependency and improved noise performance using multiple signal classification algorithm**

SEÇMEN M., Turhan-Sayan G.

IET RADAR SONAR AND NAVIGATION, cilt.3, ss.583-595, 2009 (SCI İndekslerine Giren Dergi)

● **A tunable multi-band metamaterial design using micro-split SRR structures**

EKMEKÇİ E., TOPALI K., AKIN T., Turhan-Sayan G.

OPTICS EXPRESS, cilt.17, ss.16046-16058, 2009 (SCI İndekslerine Giren Dergi)

● **Real time electromagnetic target classification using a novel feature extraction technique with PCA-based fusion**

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IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.53, ss.766-776, 2005 (SCI İndekslerine Giren Dergi)

● **Natural resonance-based feature extraction with reduced aspect sensitivity for electromagnetic target classification**

Turhan-Sayan G.

Pattern Recognition, cilt.36, ss.1449-1466, 2003 (SCI İndekslerine Giren Dergi)

● **Temperature effects on surface plasmon resonance: Design considerations for an optical temperature sensor**

Ozdemir S., Turhan-Sayan G.

- JOURNAL OF LIGHTWAVE TECHNOLOGY, cilt.21, ss.805-814, 2003 (SCI İndekslerine Giren Dergi)
Pole estimation for arbitrarily-shaped dielectric targets using genetic algorithm-based resonance annihilation technique
Turhan-Sayan G., Kuzuoglu M.
- ELECTRONICS LETTERS, cilt.37, ss.380-381, 2001 (SCI İndekslerine Giren Dergi)
Electromagnetic Target Classification using time frequency analysis and neural networks
SAYAN G., LEBLEBİCİOĞLU M. K. , İNCE T.
- Microwave And Optical Technology Letters, cilt.21, ss.63-69, 1999 (SCI Expanded İndekslerine Giren Dergi)
Input signal shaping for target identification using genetic algorithms
SAYAN G., LEBLEBİCİOĞLU M. K. , İNAN S.
- Microwave And Optical Technology Letters, cilt.17, ss.128-132, 1998 (SCI Expanded İndekslerine Giren Dergi)
FREQUENCY-DOMAIN MECHANISM EXTRACTION
TURHANSAYAN G., DOMİNEK A.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.38, ss.1716-1719, 1990 (SCI İndekslerine Giren Dergi)
- **K-PULSE ESTIMATION USING LEGENDRE POLYNOMIAL-EXPANSIONS AND TARGET DISCRIMINATION**
TURHANSAYAN G., MOFFATT D.
JOURNAL OF ELECTROMAGNETIC WAVES AND APPLICATIONS, cilt.4, ss.113-128, 1990 (SCI İndekslerine Giren Dergi)
- **K PULSE ESTIMATION AND TARGET IDENTIFICATION OF LOW Q RADAR TARGETS**
SAYAN G., MOFFATT D.
Wave Motion, cilt.11, ss.453-461, 1989 (SCI Expanded İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- **Comparative investigation of resonance characteristics and electrical size of the double sided SRR BC SRR and conventional SRR type metamaterials for varying substrate parameters**
EKMEKÇİ E., SAYAN G.
Progress in Electromagnetics Research B, cilt.12, ss.35-62, 2009 (Diğer Kurumların Hakemli Dergileri)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Directivity enhancehment of antipodal vivaldi antenna using broadband metasurface lens**
Sayan G., Yesilyurt O.
2019 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, APSURSI 2019, Georgia, Amerika Birleşik Devletleri, 7 - 12 Temmuz 2019, ss.631-632
- **Detection and Microwave Imaging of Conducting Objects Buried Very Closely to the Air-Soil Boundary**
Dinc S., Elibol H., Guneri R., Ozdol A. B. , Sik F., Yesilyurt I. T. , DOĞAN M., Turhan-Sayan G.
21st International Conference on Electromagnetics in Advanced Applications (ICEAA), Granada, Nikaragua, 9 - 13 Eylül 2019, ss.40-43
- **Inside-the-wall detection of objects with low metal content using the GPR sensor: effects of different wall structures on the detection performance**
DOĞAN M., YESİLTURT O., SAYAN G.
Detection and Sensing of Mines, Explosive Objects, and Obscured Targets XXIII, Orlando, United States, Amerika Birleşik Devletleri, 15 - 19 Nisan 2018
- **Investigation of the Effects of Buried Object Orientation in Subsurface Target Detection by GPR**
DOĞAN M., SAYAN G.
7th IEEE International Symposium on Microwaves, Antennas, Propagation and EMC Technologies, Xi'xxan, Çin, 24 -

27 Ekim 2017

Wide Bandwidth Absorption in the MWIR Region using a Thin and Simple Metamaterial Absorber
ÜSTÜN K., SAYAN G.

4th International EMC Turkiye Conference, Ankara, Türkiye, 24 - 27 Eylül 2017

Through-The-Wall Target Detection using GPR A-Scan Data: Effects of Different Wall Structures on Detection Performance

DOĞAN M., SAYAN G.

4th International EMC Turkiye Conference, Ankara, Türkiye, 24 - 27 Eylül 2017

Detection of Conducting and Dielectric Objects Buried under a Layer of Asphalt or Concrete Using Simulated Ground Penetrating Radar Signals

DOĞAN M., GÜMÜŞ S., SAYAN G.

ICEAA/IEEE APWC Meeting at Verona, Italy, Verona, İtalya, 11 - 15 Eylül 2017

Investigation of Simulated Ground Penetrating Radar Data for Buried Objects Using Quadratic Time-Frequency Transformations

DOĞAN M., SAYAN G.

2017 IEEE International Symposium on Antennas and Propagation and North American Radio Science Meeting, San Diego, Amerika Birleşik Devletleri, 7 - 14 Temmuz 2017

Through-the-wall target detection by energy features extracted from simulated ultra wideband radar signals (Çok Geniş Bantlı Radar Benzetim Sinyallerinden Hesaplanan Enerji Öznitelikleri ile Duvar Arkasındaki Hedeflerin Tespiti)

DOĞAN M., SAYAN G.

Sinyal İşleme ve Uygulamaları Kurultayı (SIU) 2017, Antalya, Türkiye, 15 - 18 Mayıs 2017

Delay characteristics comparison of coherently coupled high-Q multi-cavity array and single embedded quantum dot cavity systems

KOCAMAN S., Sayan G. T.

Conference on Quantum Dots and Nanostructures - Growth, Characterization, and Modeling XIV, San-Francisco, Kostarika, 30 - 31 Ocak 2017, cilt.10114

Through-the-Wall Target Detection by Energy Features Extracted from Simulated Ultra Wideband Radar Signals

Dogan M., Turhan-Sayan G.

25th Signal Processing and Communications Applications Conference (SIU), Antalya, Türkiye, 15 - 18 Mayıs 2017

Thin Wideband Infrared Metamaterial Absorber with Coplanar Metallic Patches of Different Sizes submitted to in Crete Greece September 19 22 2016

ÜSTÜN K., SAYAN G.

10th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics (Metamaterials' 2016), Girit, Yunanistan, 19 - 22 Eylül 2016

Kızılötesi Bantlarda İnce Metamalzeme Sönümleyici Tasarımı

ÜSTÜN K., SAYAN G.

URSI-TÜRKİYE'2016 VIII. Bilimsel Kongresi, Ankara, Türkiye, 1 - 03 Eylül 2016

Yeraltı Radar Verilerinden Enerji Tabanlı Ön İşleme ve Hedef Tespiti

DOĞAN M., AYDIN T., DURSUN A. A. , GÜMÜŞ S., KOÇ Y. E. , SAYAN G.

URSI-TÜRKİYE'2016 VIII. Bilimsel Kongresi, Ankara, Türkiye, 1 - 03 Eylül 2016

Preprocessing of A Scan GPR Based on Energy Features

DOĞAN M., SAYAN G.

SPIE Defense+Security Symposium 2016, Baltimore, Amerika Birleşik Devletleri, 17 - 21 Nisan 2016

Thin Wideband Infrared Metamaterial Absorber with Coplanar Metallic Patches of Different Sizes

Ustun K., Turhan-Sayan G.

10th International Congress on Advanced Electromagnetic Materials in Microwaves and Optics

(METAMATERIALS), Chania, Yunanistan, 19 - 22 Eylül 2016, ss.352-354

The effect of periodicity distance in electric field direction on the resonance frequency by using equivalent circuit model and simulation

YAŞARÖRTEN P., SAYAN G.

IEEE Antennas and Propagation Society International Symposium, APS 2015, Kanada, 19 - 24 Temmuz 2015

Broadband One Way Propagation via Dielectric Waveguides with Unequal Effective Index

Oner B. B., Ustun K., KURT H., OKYAY A. K., Turhan-Sayan G.

27th IEEE Photonics Conference (IPC), California, Amerika Birleşik Devletleri, 12 - 16 Ekim 2014, ss.556-557

Electromagnetic Signal Processing for Feature Extraction and Classification of Lossy Dielectric Targets

Turhan-Sayan G., Barut B. I.

Progress In Electromagnetics Research Symposium, Stockholm, İsveç, 12 - 15 Ağustos 2013, ss.184-187

Metamaterial Inspired Electrically Small GSM Antenna with Steerable Radiation Patterns and High Radiation Efficiency

OZNUR T., SAYAN G., ZIOLKOWSKI R.

2013 IEEE ANTENNAS AND PROPAGATION SOCIETY INTERNATIONAL SYMPOSIUM (APSURSI), Amerika Birleşik Devletleri, 7 - 13 Temmuz 2013

A compact five-band SLR type metamaterial

Yurduseven O., Yilmaz A. E., Turhan-Sayan G.

6th European Conference on Antennas and Propagation, EuCAP 2012, Prague, Çek Cumhuriyeti, 26 - 30 Mart 2012, ss.2865-2867

Electromagnetic Object Recognition for Dielectric Coated Conductors Based on WD-PCA Type Fused Feature Extraction

Turhan-Sayan G., Ergin E.

Progress In Electromagnetics Research Symposium (PIERS), Moscow, Rusya, 19 - 23 Ağustos 2012, ss.212-215

Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region

Ekmekci E., Strikwerda A., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.

CLEO: Science and Innovations, CLEO_SI 2011, Baltimore, MD, Amerika Birleşik Devletleri, 1 - 06 Mayıs 2011

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Ekmekci E., Strikwerda A., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.

CLEO: Applications and Technology, CLEO_AT 2011, Baltimore, MD, Amerika Birleşik Devletleri, 1 - 06 Mayıs 2011

Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region

Ekmekci E., Strikwerda A. C., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.

36th International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz 2011, Houston, TX, Amerika Birleşik Devletleri, 2 - 07 Ekim 2011

Miniaturization of U-shaped multi-band metamaterial structures

Turkmen O., Ekmekci E., Turhan-Sayan G.

2011 30th URSI General Assembly and Scientific Symposium, URSIGASS 2011, İstanbul, Türkiye, 13 - 20 Ağustos 2011

Frequency tunable metamaterial designs using near field coupled SRR structures in the terahertz region

Ekmekci E., Strikwerda A., Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.

2011 Conference on Lasers and Electro-Optics, CLEO 2011, Baltimore, MD, Amerika Birleşik Devletleri, 1 - 06 Mayıs 2011

A new method for the verification of effective medium parameters for metamaterials Metamalzeme etkin ortam parametrelerinin doğrulanması için yeni bir yöntem

Ekmekçi E., Turhan-Sayan G.

2011 IEEE 19th Signal Processing and Communications Applications Conference, SIU 2011, Antalya, Türkiye, 20 - 22 Nisan 2011, ss.682-685

Parametric investigation of a new multi-band metamaterial design: U-shaped multiple ring magnetic resonators

Turkmen O., Ekmekci E., SAYAN G.

IEEE International Symposium on Antennas and Propagation (APSURSI)/USNC/URSI National Radio Science Meeting, Washington, Amerika Birleşik Devletleri, 3 - 08 Temmuz 2011, ss.1516-1518

● **Metamaterial Sensor Applications Based on Broadside Coupled SRR and V Shaped Resonator Structures**

EKMEKÇİ E., SAYAN G.

● 2011 IEEE INTERNATIONAL SYMPOSIUM ON ANTENNAS AND PROPAGATION (APSURSI), Amerika Birleşik Devletleri, 3 - 08 Temmuz 2011, ss.1170-1172

● **A New Multi-ring SRR Type Metamaterial Design with Multiple Magnetic Resonances**

Turkmen O., Ekmekci E., Turhan-Sayan G.

● Progress in Electromagnetics Research Symposium (PIERS), Marrakush, Fas, 20 - 23 Mart 2011, ss.315-319

● **Frequency Tunable Metamaterial Designs Using Near Field Coupled SRR Structures in the Terahertz Region**

Ekmeki E., Strikwerda A. C. , Fan K., Keiser G., Zhang X., Turhan-Sayan G., Averitt R. D.

● 36th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz), Texas, Amerika Birleşik Devletleri, 2 - 07 Ekim 2011

● **Target recognition by self-organizing map (SOM) type unsupervised clustering using electromagnetic scattered signals in resonance region**

Turhan-Sayan G., Katilmi T. T. , Sayan E. S.

● 2010 10th Mediterranean Microwave Symposium, MMS 2010, Guzelyurt, Kıbrıs (Gkry), 25 - 27 Ağustos 2010, ss.196-199

● **Use of SRR Based Super-Cells to Obtain Multiple Resonances and Broader Frequency Bands with Negative Effective Permeability**

Ekmekci E., SAYAN G.

● 2010 IEEE International Symposium Antennas and Propagation/CNC-USNC/URSI Radio Science Meeting, Toronto, Kanada, 11 - 17 Temmuz 2010

● **Unsupervised Electromagnetic Target Classification by Self-organizing Map Type Clustering**

Katilmis T. T. , Ekmekci E., Turhan-Sayan G.

● Progress in Electromagnetics Research Symposium, Cambridge, Kanada, 5 - 08 Temmuz 2010, ss.240-243

● **Equivalent Circuit Models for Split-ring Resonator Arrays**

Yasar-Orten P., Ekmekci E., Turhan-Sayan G.

● Progress in Electromagnetics Research Symposium, Cambridge, Kanada, 5 - 08 Temmuz 2010, ss.534-537

● **Effects of Substrate Parameters on the Resonance Frequency of Double-sided SRR Structures under Two Different Excitations**

Ekmekci E., Averitt R. D. , Turhan-Sayan G.

● Progress in Electromagnetics Research Symposium, Cambridge, Kanada, 5 - 08 Temmuz 2010, ss.538-539

● **An Electromagnetic Target Classification Method for the Target Sets with Alien Target: Application to Small-scale Aircraft Targets**

Secmen M., Turhan-Sayan G.

● Progress in Electromagnetics Research Symposium, Cambridge, Kanada, 5 - 08 Temmuz 2010, ss.235-236

● **Feasibility study for tunable metamaterial design using multi-split SRR structures and RF MEMS switching**

Ekmekci E., Topalli K., AKIN T., Turhan-Sayan G.

● 2009 IEEE International Symposium on Antennas and Propagation and USNC/URSI National Radio Science Meeting, APSURSI 2009, North Charleston, SC, Amerika Birleşik Devletleri, 1 - 05 Haziran 2009

● **Noise Performances of Two Recently Reported Electromagnetic Target Classification Techniques in Resonance Region: A Comparative Study for the WD-PCA Based Classifier and the MUSIC Algorithm Based Classifier**

Ergin E., Turhan-Sayan G.

● Progress in Electromagnetics Research Symposium (PIERS 2009 Moscow), Moscow, Rusya, 12 - 21 Ağustos 2009, ss.762-766

- **Effects of Array Dimensions on the Resonance Characteristics of SRR Type Metamaterial Arrays with Small Sizes: Simulations and Experiments**
Ekmekci E., Topalli K., AKIN T., Turhan-Sayan G.
Progress in Electromagnetics Research Symposium (PIERS 2009 Moscow), Moscow, Rusya, 12 - 21 Ağustos 2009, ss.83-86
- **A Feasibility Study for Tunable Metamaterial Design Using Multi-Split SRR Structures and RF MEMS Switching**
Ekmekci E., Topalli K., AKIN T., SAYAN G.
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- **Experimental Investigation of Metamaterial Array Structures With Split Ring Resonators**
Ekmekci E., Topalli K., AKIN T., SAYAN G.
IEEE 17th Signal Processing and Communications Applications Conference, Antalya, Türkiye, 9 - 11 Nisan 2009, ss.551-554
- **Reducing the Electrical Size of Magnetic Metamaterial Resonators by Geometrical Modifications: A Comparative Study for Single-Sided and Double-Sided Multiple SRR, Spiral and U-Spiral Resonators**
Ekmekci E., SAYAN G.
IEEE Antennas-and-Propagation-Society International Symposium, California, Amerika Birleşik Devletleri, 5 - 11 Temmuz 2008, ss.1484-1487
- **A Resonance Region Method for Recognition of Multiple Targets Using the MUSIC Algorithm and a Time Correlation Technique**
Secmen M., Ekmekci E., Turhan-Sayan G.
IEEE Antennas-and-Propagation-Society International Symposium, California, Amerika Birleşik Devletleri, 5 - 11 Temmuz 2008, ss.4106-4109
- **Sensitivity of the resonance characteristics of SRR and DSRR (double-sided SRR) type metamaterials to the changes in substrate parameters and the usefulness of DSRR structure for reduced electrical size**
Ekmekci E., Turhan-Sayan G.
Progress in Electromagnetics Research Symposium (PIERS 2008), Cambridge, Kanada, 2 - 06 Temmuz 2008, ss.598-602
- **A Radar Target Recognition Method with MUSIC Algorithm: Application to Aircraft Targets with Measured Scattered Data**
Secmen M., Turhan-Sayan G., Hizal A.
2008 IEEE Radar Conference, Rome, İtalya, 26 - 30 Mayıs 2008, ss.361-366
- **The Theory and Application of an Electromagnetic Target Recognition Method based on Natural-Resonance for Multi-Targets**
Secmen M., Turhan-Sayan G.
IEEE 16th Signal Processing and Communications Applications Conference, Aydın, Türkiye, 20 - 22 Nisan 2008, ss.252-255
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Toplam Atıf Sayısı (WOS):702

h-indeksi (WOS):13