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Eğitim Bilgileri

Doktora, Erciyes Üniversitesi, Fen Bilimleri Ens., Elektronik , Türkiye 1988 - 1992
Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Ens., Elektronik Hab., Türkiye 1985 - 1988
Lisans, Erciyes Üniversitesi, Müh.Fak, Elektronik Müh., Türkiye 1978 - 1982

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, 4 - N, N – Dimethylamino 3 – Acetamidonitrobenzene (DAN) Çekirdekli Optik Fiber Yapıda İkinci Harmonik Üretim Veriminin Analizi , Erciyes Üniversitesi, Fen Bilimleri Ens., Elektronik Müh., 1992
Yüksek Lisans, Bir yüzü mükemmel elektrik iletken diğer yüzü mükemmel magnetik iletken şeritten saçılma, İstanbul Teknik Üniversitesi, Fen Bilimleri Ens., Elektronik Hab., 1988

Araştırma Alanları

Elektrik-Elektronik Mühendisliği, Elektronik, Mikrodalga Devreleri, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Erciyes Üniversitesi, Müh. Fak., Elk-Eln. Müh., 2010 - Devam Ediyor
Doç. Dr., Erciyes Üniversitesi, Müh.Fak., Elek-Eln Müh. , 2005 - 2010
Yrd. Doç. Dr., Erciyes Üniversitesi, Müh.Fak, Elektronik Müh., 1993 - 2005
Araştırma Görevlisi, Erciyes Üniversitesi, Müh.Fak., Elektronik Müh., 1984 - 1993

Akademik İdari Deneyim

Erciyes Üniversitesi, 1996 - Devam Ediyor
Anabilim/Bilim Dalı Başkanı, Erciyes Üniversitesi, Elk-Eln Müh., 1996 - 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Closed-form design equations for asymmetric coplanar strip line with an infinitely wide strip**
YILDIZ C., Kisioglu H., ÖZTÜRK C.
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II. **Very simple synthesis formulas for microcoplanar striplines**
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III. **ANFIS MODELS FOR SYNTHESIS OF OPEN SUPPORTED COPLANAR WAVEGUIDES**
Kaya S., Guney K., YILDIZ C., TÜRKMEN M.
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V. **NEW AND ACCURATE SYNTHESIS FORMULAS FOR ASYMMETRIC CONDUCTOR-BACKED COPLANAR WAVEGUIDES**
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VI. **ANFIS MODELS FOR THE QUASISTATIC ANALYSIS OF COPLANAR STRIP LINE STRUCTURES**
TÜRKMEN M., YILDIZ C., Guney K., Kaya S.
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VIII. **ADAPTIVE-NETWORK-BASED FUZZY INFERENCE SYSTEM MODELS FOR COMPUTING THE CHARACTERISTIC IMPEDANCES OF AIR-SUSPENDED TRAPEZOIDAL AND RECTANGULAR-SHAPED MICROSHIELD LINES**
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IX. **Comparison of adaptive-network-based fuzzy inference system models for analysis of conductor-backed asymmetric coplanar waveguides**
TÜRKMEN M., YILDIZ C., GÜNEY K., KAYA S.
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X. **Accurate synthesis formulas obtained by using a differential evolution algorithm for conductor-backed coplanar waveguides**
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XI. **ANALYSIS OF CONDUCTOR-BACKED COPLANAR WAVEGUIDES USING ADAPTIVE-NETWORK-BASED FUZZY INFERENCE SYSTEM MODELS**
YILDIZ C., Guney K., TÜRKMEN M., Kaya S.
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XII. **New and Accurate Synthesis Formulas for Asymmetric Coplanar Stripline with an Infinitely Wide Strip**
Guney K., YILDIZ C., KAYA S., TÜRKMEN M.
JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, cilt.30, sa.2, ss.109-116, 2009 (SCI-Expanded)

XIII. **Synthesis formulas for microcoplanar striplines**

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XIV. **Adaptive neuro-fuzzy models for the quasi-static analysis of microstrip line**
YILDIZ C., Guney K., TÜRKMEN M., Kaya S.
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XVI. **Accurate and simple synthesis formulas for coplanar waveguides**
Akdagli A., TÜRKMEN M., YILDIZ C.
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XVII. **ADAPTIVE NEURO-FUZZY INFERENCE SYSTEM FOR THE COMPUTATION OF THE CHARACTERISTIC IMPEDANCE AND THE EFFECTIVE PERMITTIVITY OF THE MICRO-COPLANAR STRIP LINE**
Sarikaya N., Güney K., Yildiz C.
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XVIII. **Synthesis formulas for multilayer homogeneous coupling structure with ground shielding**
Guney K., YILDIZ C., KAYA S., TÜRKMEN M.
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Guney K., Yildiz C., Kaya S., Turkmen M.
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Yildiz C., AKDAGLI A., TURKMEN M.
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XXV. **Artificial neural networks for calculating the characteristic impedance of air-suspended trapezoidal and rectangular-shaped microshield lines**
Guney K., Yildiz C., Kaya S., Turkmen M.
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XXVI. **Very accurate and simple CAD models based on neural networks for coplanar waveguide synthesis**
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Yildiz C.
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XXVIII. **Neural analysis of top shielded multilayered coplanar waveguides**

TÜRKMEN M., YILDIZ C., SAĞIROĞLU Ş.
Turkish Journal of Electrical Engineering and Computer Sciences, cilt.12, sa.1, ss.1-10, 2004 (SCI-Expanded)

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Yildiz C., TURKMEN M.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.41, sa.1, ss.49-53, 2004 (SCI-Expanded)

XXX. **Neural model for coplanar waveguide sandwiched between two dielectric substrates**
Yildiz C., Sagiroglu S., TURKMEN M.
IEE PROCEEDINGS-MICROWAVES ANTENNAS AND PROPAGATION, cilt.151, sa.1, ss.7-12, 2004 (SCI-Expanded)

XXXI. **A CAD approach based on artificial neural networks for shielded multilayered coplanar waveguides**
Yildiz C., TURKMEN M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.58, sa.4, ss.284-292, 2004 (SCI-Expanded)

XXXII. **Simple models based on neural networks for suspended and inverted microstrip lines**
Yildiz C., Saracoglu O.
MICROWAVE AND OPTICAL TECHNOLOGY LETTERS, cilt.39, sa.5, ss.383-389, 2003 (SCI-Expanded)

XXXIII. **Neural models for coplanar waveguides with a finite dielectric thickness**
Yildiz C., SAGIROGLU S., Saracoglu O.
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XXXIV. **Neural models for an asymmetric coplanar stripline with an infinitely wide strip**
Yildiz C., SAGIROGLU S., Saracoglu O., TURKMEN M.
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XXXV. **A multilayered perceptron neural network for a micro-coplanar strip line**
SAGIROGLU S., Yildiz C.
ELECTROMAGNETICS, cilt.22, sa.7, ss.553-563, 2002 (SCI-Expanded)

XXXVI. **Neural models for the resonant frequency of electrically thin and thick circular microstrip antennas and the characteristic parameters of asymmetric coplanar waveguides backed with a conductor**
Yildiz C., GULTEKIN S., GUNEY K., SAGIROGLU S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.56, sa.6, ss.396-406, 2002 (SCI-Expanded)

XXXVII. **Determination of the design parameters for the optical second harmonic generation efficiency in organic crystal-cored fibers**
Yildiz C., Ozsoy S.
JAPANESE JOURNAL OF APPLIED PHYSICS PART 2-LETTERS & EXPRESS LETTERS, cilt.36, 1997 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **VERY SIMPLE AND ACCURATE COMPUTER-AIDED-DESIGN (CAD) MODELS DEVELOPED BY GENETIC PROGRAMMING FOR THE QUASI-STATIC ANALYSIS OF UNSHIELDED SUSPENDED AND INVERTED MICROSTRIP LINES**
YILDIZ C., KISIOGLU H.
ISTANBUL UNIVERSITY-JOURNAL OF ELECTRICAL AND ELECTRONICS ENGINEERING, cilt.17, sa.2, 2017 (ESCI)

II. **Neural models for the elliptic- and circular-shaped microshield lines**
KAYA S., TÜRKMEN M., GÜNEY K., YILDIZ C.
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III. **Quasi-static models based on artificial neural networks for calculating the characteristic parameters of multilayer cylindrical coplanar waveguide and strip line**
YILDIZ C., TÜRKMEN M.
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IV. **Adaptive neuro-fuzzy models for conventional coplanar waveguides**

TÜRKMEN M., KAYA S., YILDIZ C., GÜNEY K.
Progress In Electromagnetics Research B, cilt.6, ss.93-107, 2008 (Scopus)

V. **SIMPLE MODEL FOR THE INPUT IMPEDANCE OF RECTANGULAR MICROSTRIP ANTENNA**
YILDIZ C., GÜNEY K.
Pamukkale University Journal of Engineering Sciences, cilt.4, ss.733-738, 1998 (Hakemli Dergi)

Desteklenen Projeler

YILDIZ C., GÖRGÜÇ Ö., Yükseköğretim Kurumları Destekli Proje, Elektromanyetik Fırlatıcı Tasarımı ve Mermi Çıkış Hızı Ölçüm Sistemi, 2013 - 2019
GÜNEY K., KAYA S., TÜRKMEN M., YILDIZ C., Yükseköğretim Kurumları Destekli Proje, İletken Destekli Eş Düzlemli Dalga Kılavuzlarının Esnek Hesaplama Yöntemleri İle Sentezi, 2009 - 2011
YILDIZ C., TÜRKMEN M., Yükseköğretim Kurumları Destekli Proje, KOPLANAR HATLAR İÇİN BULANIK MANTIK SİSTEMİNE DAYALI UYARLANIR AĞ TABANLI CAD MODELLER, 2006 - 2009
YILDIZ C., TÜRKMEN M., Yükseköğretim Kurumları Destekli Proje, MİKRODALGA İLETİM HATLARI İÇİN YAPAY SİNİR AĞI TABANLI CAD MODELLER, 2004 - 2006

Metrikler

Yayın: 62
Atıf (WoS): 276
Atıf (Scopus): 315
H-İndeks (WoS): 10
H-İndeks (Scopus): 11

Akademi Dışı Deneyim

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