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Kişisel Bilgiler

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Eğitim Bilgileri

Bütünleşik Doktora, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Telekomunikasyon Müh., Türkiye 2013 - 2017
Lisans, İstanbul Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Müh., Türkiye 2010 - 2013

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Qualitative Methods in Microwave Imaging, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Telekomunikasyon Müh., 2017

Araştırma Alanları

Teknik Bilimler, Elektrik-Elektronik Mühendisliği, Elektromanyetik, Dalga Yayılımı ve Uzaktan Algılama, Elektromanyetik Dalgalar, Antenler ve Propagasyon

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, İstanbul Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Müh., 2018 - Devam Ediyor
Yrd.Doç.Dr., İstanbul Teknik Üniversitesi, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Müh., 2017 - 2018

Verdiği Dersler

Elektromagnetik Alanlara Giriş, Lisans, 2017 - 2018
Introduction to Electronics and Communication Engineering, Lisans, 2017 - 2018
Theory of Complex Functions, Lisans, 2017 - 2018

Electromagnetic Waveguides, Doktora, 2017 - 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **Improving the Accuracy of Range Migration in 3-D Near-Field Microwave Imaging**
Doğu S., Tajik D., Akıncı M. N., Nikolova N. K.
IEEE Transactions on Microwave Theory and Techniques, cilt.71, sa.8, ss.3540-3551, 2023 (SCI-Expanded)

II. **A BIM-Based Algorithm for Quantitative Monitoring of Temperature Distribution during Breast Hyperthermia Treatments**
Önal H., Yılmaz Abdolsaheb T., Akıncı M. N.
IEEE Access, cilt.11, ss.38680-38695, 2023 (SCI-Expanded)

III. **Maximum Likelihood Estimation of Debye Relaxation Parameters with Open-Ended Coaxial Probes**
Dilman I., Çayören M., Akıncı M. N.
IEEE Transactions on Instrumentation and Measurement, cilt.72, 2023 (SCI-Expanded)

IV. **Monitoring of intracerebral hemorrhage with a linear microwave imaging algorithm**
Dilman İ., Bilgin E., Akıncı M. N., Cosgun S., Doğu S., Çayören M., Akduman İ.
MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING, cilt.61, sa.1, ss.33-43, 2023 (SCI-Expanded)

V. **Continuous Monitoring of Hyperthermia Treatment of Breast Tumors With Singular Sources Method**
Doğu S., Önal H., Yılmaz Abdolsaheb T., Akduman I., Akıncı M. N.
IEEE Access, cilt.11, ss.6584-6593, 2023 (SCI-Expanded)

VI. **A Guideline for Complex Permittivity Retrieval of TissueMimicking Phantoms From OpenEnded Coaxial Probe Response With Deep Learning**
Joof S., Aydinalp C., Dilman İ., Akıncı M. N., Yilmaz T., Çayören M., Akduman İ.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, cilt.70, sa.11, ss.5105-5115, 2022 (SCI-Expanded)

VII. **Antenna Excitation Optimization with Deep Learning for Microwave Breast Cancer Hyperthermia**
Yildiz G., Yasar H., Uslu I. E., Demirel Y., Akıncı M. N., Yilmaz T., Akduman İ.
Sensors, cilt.22, sa.17, 2022 (SCI-Expanded)

VIII. **A Method to Measure Complex Dielectric Permittivity With Open-Ended Coaxial Probes**
Dilman İ., Akıncı M. N., Yilmaz T., Çayören M., Akduman İ.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, cilt.71, 2022 (SCI-Expanded)

IX. **Microwave Dielectric Property Retrieval From Open-Ended Coaxial Probe Response With Deep Learning**
Aydinalp C., Joof S., Akıncı M. N., Akduman İ., Yilmaz T.
IEEE ACCESS, cilt.10, ss.1216-1227, 2022 (SCI-Expanded)

X. **Experimental Moving Target Imaging in a Nonanechoic Environment With Linear Sampling Method**
Doğu S., Akıncı M. N., Gose E.
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.18, sa.3, ss.441-445, 2021 (SCI-Expanded)

XI. **Physical Insight Unveils New Imaging Capabilities of Orthogonality Sampling Method**
Bevacqua M. T., Isernia T., Palmeri R., Akıncı M. N., Crocco L.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.68, sa.5, ss.4014-4021, 2020 (SCI-Expanded)

XII. **Truncated singular value decomposition for through-the-wall microwave imaging application**
Doğu S., Akıncı M. N., Çayören M., Akduman İ.
IET MICROWAVES ANTENNAS & PROPAGATION, cilt.14, sa.4, ss.260-267, 2020 (SCI-Expanded)

XIII. **Estimation of the Effective Electrical Parameters in Two-Dimensional Transverse Electric Case**
Akıncı M. N., Gose E., Akduman İ., Crocco L.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.68, sa.1, ss.468-481, 2020 (SCI-Expanded)

XIV. **Estimation of the electrical parameters and dimensions of an impedance cylinder with monoview/monostatic measurement system**
Doğu S., Akıncı M. N., Gose E.

JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.35, sa.2, ss.743-752, 2020 (SCI-Expanded)

XV. **Qualitative microwave imaging of breast cancer with contrast agents**
Akıncı M. N., Çayören M., Gose E.
PHYSICS IN MEDICINE AND BIOLOGY, cilt.64, sa.11, 2019 (SCI-Expanded)

XVI. **An Efficient Sampling Method for Cross-Borehole GPR Imaging**
Akıncı M. N.
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.15, sa.12, ss.1857-1861, 2018 (SCI-Expanded)

XVII. **Improving Near-Field Orthogonality Sampling Method for Qualitative Microwave Imaging**
Akıncı M. N.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.66, sa.10, ss.5475-5484, 2018 (SCI-Expanded)

XVIII. **A fast hybrid method for the bandgap analysis of 2D photonic crystals based on EMT and AFGSM methods**
ERKAN O., Akıncı M. N., Şimşek S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.89, ss.1-6, 2018 (SCI-Expanded)

XIX. **A Simple Approach for Estimating the Effective Electric Parameters of 2-D Targets**
Akıncı M. N., Çayören M., Akduman İ., Crocco L.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.66, sa.4, ss.2026-2034, 2018 (SCI-Expanded)

XX. **Bandgap analysis of 2D photonic crystals with Auxiliary Functions of Generalized Scattering Matrix (AFGSM) method**
Erkan O., Akıncı M. N., Şimşek S.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.95, ss.287-296, 2018 (SCI-Expanded)

XXI. **Experimental Microwave Imaging With a Novel Corrugated Vivaldi Antenna**
ABBAK M., Akıncı M. N., Çayören M., Akduman İ.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.65, sa.6, ss.3302-3307, 2017 (SCI-Expanded)

XXII. **Wideband compact dipole antenna for microwave imaging applications**
Abbak M., AKINCI M. N., ERTAY A. O., OZGUR S., ISIK C., Akduman İ.
IET MICROWAVES ANTENNAS & PROPAGATION, cilt.11, sa.2, ss.265-270, 2017 (SCI-Expanded)

XXIII. **Near-Field Orthogonality Sampling Method for Microwave Imaging: Theory and Experimental Verification**
Akıncı M. N., CAYOREN M., Akduman İ.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, cilt.64, sa.8, ss.2489-2501, 2016 (SCI-Expanded)

XXIV. **Qualitative Microwave Imaging With Scattering Parameters Measurements**
Akıncı M. N., CAGLAYAN T., OZGUR S., ALKASI U., AHMADZAY H., ABBAK M., CAYOREN M., Akduman İ.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, cilt.63, sa.9, ss.2730-2740, 2015 (SCI-Expanded)

XXV. **Experimental Assessment of Linear Sampling and Factorization Methods for Microwave Imaging of Concealed Targets**
Akıncı M. N., CAGLAYAN T., Özgür S., ALKASI U., ABBAK M., Çayören M.
INTERNATIONAL JOURNAL OF ANTENNAS AND PROPAGATION, 2015 (SCI-Expanded)

XXVI. **Microwave subsurface imaging of buried objects under a rough air-soil interface**
Akıncı M. N., Çayören M.
REMOTE SENSING LETTERS, cilt.5, sa.8, ss.703-712, 2014 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Analysis of the Performance of the NOSM for High Contrast Targets**
AKINCI M. N.

Sakarya University Journal of Science, cilt.23, ss.1, 2019 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Estimation of Electrical Properties of Infinite Slab with Newton'xxs Method**
AKINCI M. N.
2018 18th Mediterranean Microwave Symposium (MMS), İstanbul, Türkiye, 31 Ekim - 02 Kasım 2018

II. **Assessment of Linear Sampling Method and Factorization Method for Through the Wall Imaging**
Doğu S., Akıncı M. N.
26th Telecommunications Forum (TELFOR), Belgrade, Sırbistan Ve Karadağ, 20 - 21 Kasım 2018, ss.513-516

III. **Detection of the Cavities Inside a Target with Near Field Orthogonality Sampling Method**
Akıncı M. N.
18th Mediterranean Microwave Symposium (MMS), İstanbul, Türkiye, 31 Ekim - 02 Kasım 2018, ss.391-393

IV. **Estimation of Electrical Properties of Infinite Slab With Newton's Method**
Akıncı M. N.
18th Mediterranean Microwave Symposium (MMS), İstanbul, Türkiye, 31 Ekim - 02 Kasım 2018, ss.262-263

V. **Differential Microwave Imaging of the Stroke-affected Brain via Diffraction Tomography**
Dilman İ., Akıncı M. N., Çayören M., Akduman İ.
25th Telecommunication Forum (TELFOR), Belgrade, Sırbistan Ve Karadağ, 21 - 22 Kasım 2017, ss.444-447

VI. **Explicit Discretization Schemes for Linear Sampling and Factorization Methods**
AKINCI M. N., ÇAYÖREN M.
36th Progress In Electromagnetics Research Symposium, 6 - 09 Temmuz 2015

VII. **Schur Complement Based Method of Moments Solution for 2D Scattering Problem from Mixed Dielect ric conductor Targets**
AKINCI M. N., ÇAYÖREN M.
36th Progress In Electromagnetics Research Symposium, 6 - 09 Temmuz 2015

VIII. **On the Accuracy of Method of Moments for Solution of Full 3D Vectorial Electromagnetic Forward Scat tering Problem**
GÜREN O., AKINCI M. N., ÇAYÖREN M.
36th Progress In Electromagnetics Research Symposium, 6 - 09 Temmuz 2015

IX. **Experimental Comparison of Qualitative Inverse Scattering Methods**
Akıncı M. N., Abbak M., Özgür S., Çayören M., Akduman İ.
IEEE Conference on Antenna Measurements and Applications (CAMA), Antibes, Fransa, 16 - 19 Kasım 2014

X. **Modelling of User Behaviour in Cellular Networks**
Dalman E., Akıncı M. N., Karabulut Kurt G. Z.
22nd IEEE Signal Processing and Communications Applications Conference (SIU), Trabzon, Türkiye, 23 - 25 Nisan 2014, ss.2019-2022

Metrikler

Yayın: 51
Atıf (WoS): 187
Atıf (Scopus): 286
H-İndeks (WoS): 6
H-İndeks (Scopus): 8

Akademi Dışı Deneyim

MİLLİ SAVUNMA ÜNİVERSİTESİ
MİTOS MEDİKAL TEKNOLOJİLER SAN. TİC. A.Ş.