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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAZ-6331-2020

ScopusID: 36625312100

Yoksis Araştırmacı ID: 328014

Araştırma Alanları

Baskı Devreler, İnce Film, Kalın Film ve Hibrid Tümlşik Devreler, Pasif Devre Elemanları, Anahtarlar ve Konnektörler , Elektriksel ve Manyetik Alanlar , Elektromanyetik Bant Aralığı Yapıları, Elektromanyetik Dalgalar, Antenler ve Propagasyon, Pasif Mikrodalga Devreler, Planar Yapılar

Verdiği Dersler

Elektromanyetik Teori, Lisans, 2020 - 2021

Mühendislik Tasarımı 2, Lisans, 2020 - 2021

Devre Teorisi 1, Lisans, 2020 - 2021

Mühendislik Tasarımı 1, Lisans, 2020 - 2021

Yönetilen Tezler

DURGUN A. C., Modeling of GaN power transistor package for design of broadband high-power amplifier, Yüksek Lisans, Ö.BAŞTÜZEL(Öğrenci), 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Low Loss Skip Layer Transmission Lines with Common Mode Filtering for Packages**
DURGUN A. C., Aygun K.
IEEE Transactions on Components, Packaging and Manufacturing Technology, cilt.12, sa.5, ss.839-846, 2022 (SCI-Expanded)
- II. **Causal and Passive Parameterization of S-Parameters Using Neural Networks**
Torun H. M., Durgun A. C., Aygun K., Swaminathan M.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, cilt.68, sa.10, ss.4290-4304, 2020 (SCI-Expanded)
- III. **Wearable Flexible Reconfigurable Antenna Integrated With Artificial Magnetic Conductor**
Saeed S. M., Balanis C. A., Birtcher C. R., Durgun A. C., Shaman H. N.
IEEE ANTENNAS AND WIRELESS PROPAGATION LETTERS, cilt.16, ss.2396-2399, 2017 (SCI-Expanded)

- IV. **High-Impedance Surfaces With Periodically Perforated Ground Planes**
Durgun A. C., Balanis C. A., Birtcher C. R., Huang H., Yu H.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.62, sa.9, ss.4510-4517, 2014 (SCI-Expanded)
- V. **Reflection Phase Characterization of Curved High Impedance Surfaces**
Durgun A. C., Balanis C. A., Birtcher C. R.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.61, sa.12, ss.6030-6038, 2013 (SCI-Expanded)
- VI. **Design, Simulation, Fabrication and Testing of Flexible Bow-Tie Antennas**
Durgun A. C., Balanis C. A., Birtcher C. R., Allee D. R.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, cilt.59, sa.12, ss.4425-4435, 2011 (SCI-Expanded)
- VII. **Computation of physical optics integral by Levin's integration algorithm**
Durgun A. C., KUZUOĞLU M.
Progress In Electromagnetics Research M, cilt.6, ss.59-74, 2009 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Neural Network Modeling of Antennas on Package for 5G Applications**
Saçın E. S., DURGUN A. C.
17th European Conference on Antennas and Propagation, EuCAP 2023, Florence, İtalya, 26 - 31 Mart 2023
- II. **Dual sided high frequency measurement of microelectronic packages**
Christ S. R., Durgun A. C., Aygun K., Hill M. J.
29th IEEE Conference on Electrical Performance of Electronic Packaging and Systems, EPEPS 2020, California, Amerika Birleşik Devletleri, 5 - 07 Ekim 2020
- III. **Enforcing Causality and Passivity of Neural Network Models of Broadband S-Parameters**
Torun H. M., Durgun A. C., Aygun K., Swaminathan M.
28th IEEE Conference on Electrical Performance of Electronic Packaging and Systems, EPEPS 2019, Montreal, Kanada, 6 - 09 Ekim 2019
- IV. **Electrical Performance Limits of Fine Pitch Interconnects for Heterogeneous Integration**
Durgun A. C., Qian Z., Aygun K., Mahajan R., Hoang T. T., Shumarayev S. Y.
69th IEEE Electronic Components and Technology Conference (ECTC), Nevada, Amerika Birleşik Devletleri, 29 - 31 Mayıs 2019, ss.667-673
- V. **Design of Low-loss Transmission Lines with Common Mode Suppression for Packages**
Durgun A. C., Aygun K.
27th IEEE Conference on Electrical Performance on Electronic Packaging and Systems (EPEPS), San-Jose, Kostarika, 14 - 17 Ekim 2018, ss.43-45
- VI. **Fiber Weave Impact on Crosstalk of High Speed Communication Channels in Glass Epoxy Packages**
Durgun A. C., Aygun K.
IEEE International Symposium on Electromagnetic Compatibility (EMC), Ottawa, Kanada, 25 - 29 Temmuz 2016
- VII. **Reflection Phase and Surface Wave Propagation Characteristics of a Symmetrical Perforated High Impedance Surface**
Saeed S. M., Balanis C. A., Durgun A. C.
IEEE-Antennas-and-Propagation-Society International Symposium, Fajardo, Porto Riko, 26 Haziran - 01 Temmuz 2016, ss.1963-1964
- VIII. **Impact of Fiber Weaves on 56 Gbps SerDes Interface in Glass Epoxy Packages**
Durgun A. C., Aygun K.
24th IEEE Conference on Electrical Performance of Electronic Packaging and Systems (EPEPS), San-Jose, Kostarika, 25 - 28 Ekim 2015, ss.159-161
- IX. **Reflection Phase Characterization of a Circularly Symmetric High Impedance Surface**
Amiri M. A., Balanis C. A., Durgun A. C.
IEEE Antennas-and-Propagation-Society International Symposium (APSURSI), Tennessee, Amerika Birleşik Devletleri, 6 - 11 Temmuz 2014, ss.1772-1773

- X. **Surface Wave Effects on the Reflection Phase of Curved High Impedance Surfaces**
Durgun A. C., Balanis C. A., Birtcher C. R.
International Symposium of the IEEE-Antennas-and-Propagation-Society, Florida, Amerika Birleşik Devletleri, 7 - 13 Temmuz 2013, ss.87-88
- XI. **Surface Wave Suppression Properties of Perforated Artificial Impedance Surfaces**
Durgun A. C., Balanis C. A., Birtcher C. R.
International Symposium of the IEEE-Antennas-and-Propagation-Society, Florida, Amerika Birleşik Devletleri, 7 - 13 Temmuz 2013, ss.89-90
- XII. **A Novel HIS with a Perforated Ground Plane for Miniaturization and Bandwidth Enhancement**
Durgun A. C., Balanis C. A., Birtcher C. R.
IEEE International Symposium on Antennas and Propagation, Illinois, Amerika Birleşik Devletleri, 8 - 14 Temmuz 2012
- XIII. **Plane Wave Scattering from a Curved HIS: Normal Incidence**
Durgun A. C., Balanis C. A., Birtcher C. R.
IEEE International Symposium on Antennas and Propagation, Illinois, Amerika Birleşik Devletleri, 8 - 14 Temmuz 2012
- XIV. **Physical Realization and Reflection Phase Characteristics of a Flexible High Impedance Surface**
Durgun A. C., Balanis C. A., Birtcher C. R.
IEEE International Symposium on Antennas and Propagation (APSURSI)/USNC/URSI National Radio Science Meeting, Washington, Amerika Birleşik Devletleri, 3 - 08 Temmuz 2011, ss.1844-1847
- XV. **Radiation Characteristics of a Flexible Bow-tie Antenna**
Durgun A. C., Balanis C. A., Birtcher C. R., Allee D. R.
IEEE International Symposium on Antennas and Propagation (APSURSI)/USNC/URSI National Radio Science Meeting, Washington, Amerika Birleşik Devletleri, 3 - 08 Temmuz 2011, ss.1239-1242
- XVI. **Flexible Bow-Tie Antennas with Reduced Metallization**
Durgun A. C., Reese M. S., Balanis C. A., Birtcher C. R., Allee D. R., Venugopal S.
IEEE Radio and Wireless Symposium (RWS), Arkansas, Amerika Birleşik Devletleri, 16 - 19 Ocak 2011, ss.50-53
- XVII. **Computation of Physical Optics Integral by Levin's Algorithm on NURBS**
Durgun A. C., Kuzuoglu M., Balanis C. A.
2010 IEEE International Symposium Antennas and Propagation/CNC-USNC/URSI Radio Science Meeting, Toronto, Kanada, 11 - 17 Temmuz 2010
- XVIII. **Flexible Bow-tie Antennas**
Durgun A. C., Reese M. S., Balanis C. A., Birtcher C. R., Allee D. R., Venugopal S.
2010 IEEE International Symposium Antennas and Propagation/CNC-USNC/URSI Radio Science Meeting, Toronto, Kanada, 11 - 17 Temmuz 2010

Desteklenen Projeler

DURGUN A. C., BAYDOĞAN M. G., Diğer Ülkelerdeki Özel Organizasyonlar Tarafından Desteklenmiş Proje, Physics Informed Active Learning for Electrical Analysis of Second Level Interconnects, 2023 - 2025

Bilimsel Dergilerdeki Faaliyetler

IEEE Transactions On Components, Packaging And Manufacturing Technology, Yardımcı Editör/Bölüm Editörü, 2020 - Devam Ediyor

Bilimsel Hakemlikler

Yükseköğretim Kurumları Destekli Proje, BAP Araştırma Projesi, Çankaya Üniversitesi, Türkiye, Haziran 2021

IEEE TRANSACTIONS ON COMPONENTS, PACKAGING AND MANUFACTURING TECHNOLOGY, SCI-E Kapsamındaki Dergi, Mayıs 2021

IEEE TRANSACTIONS ON COMPONENTS, PACKAGING AND MANUFACTURING TECHNOLOGY, SCI-E Kapsamındaki Dergi, Nisan 2021

IEEE TRANSACTIONS ON COMPONENTS, PACKAGING AND MANUFACTURING TECHNOLOGY, SCI-E Kapsamındaki Dergi, Nisan 2021

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, SCI Kapsamındaki Dergi, Ekim 2020

IEEE Transactions On Components,Packaging And Manufacturing Technology, SSCI Kapsamındaki Dergi, Ağustos 2020

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, SCI Kapsamındaki Dergi, Mayıs 2020

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, SCI Kapsamındaki Dergi, Nisan 2020

IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, SCI Kapsamındaki Dergi, Mart 2020

Etkinlik Organizasyonlarındaki Görevler

Durgun A. C., SPI 2023 – 27TH IEEE WORKSHOP ON SIGNAL AND POWER INTEGRITY, Bilimsel Kongre / Sempozyum Organizasyonu, Aveiro, Portekiz, Temmuz 2023

Durgun A. C., SPI 2022 – 26TH IEEE WORKSHOP ON SIGNAL AND POWER INTEGRITY, Bilimsel Kongre / Sempozyum Organizasyonu, Almanya, Mayıs 2022

Durgun A. C., SPI 2021 – 25TH IEEE WORKSHOP ON SIGNAL AND POWER INTEGRITY, Bilimsel Kongre / Sempozyum Organizasyonu, Almanya, Mayıs 2021

Metrikler

Yayın: 25

Atıf (WoS): 224

Atıf (Scopus): 365

H-İndeks (WoS): 7

H-İndeks (Scopus): 8