

Dr.Öğr.Üyesi VELİ TAYFUN KILIÇ

Kişisel Bilgiler

E-posta: tayfun.kilic@agu.edu.tr

Web: <https://avesis.agu.edu.tr/tayfun.kilic>

Araştırma Alanları

Haberleşme Mühendisliği, Mikro ve Nano Haberleşme, Uydu Haberleşmesi , Elektrik-Elektronik Mühendisliği, Elektronik, Elektromanyetik, Enerji, Elektriksel ve Manyetik Özellikler, Aviyonik Elektronik Sistemler, Mühendislik ve Teknoloji

Verdiği Dersler

MSC SPECIAL TOPICS, Yüksek Lisans, 2018 - 2019
SENIOR PROJECT II, Lisans, 2018 - 2019
COMPUTER TOOLS FOR ELECTRICAL-ELECTRONICS ENGINEERING, Lisans, 2018 - 2019
MSC THESIS , Yüksek Lisans, 2018 - 2019
CALCULUS II FOR ELECTRICAL-ELECTRONICS ENGINEERING, Lisans, 2018 - 2019
ELECTRONICS II, Lisans, 2018 - 2019
ANTENNAS, Lisans, 2017 - 2018
MSC SPECIAL TOPICS , Yüksek Lisans, 2018 - 2019
SENIOR PROJECT I, Lisans, 2018 - 2019
ENGINEERING ELECTROMAGNETICS, Lisans, 2018 - 2019
MSC THESIS, Yüksek Lisans, 2018 - 2019
UNDERGRADUATE RESEARCH PROJECT II, Lisans, 2018 - 2019
ELECTRONICS II, Lisans, 2017 - 2018
ELECTRONICS II LAB., Lisans, 2018 - 2019

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Design and analysis of low profile and low SAR full-textile UWB wearable antenna with metamaterial for WBAN applications**
Yalduz H., TABARU T. E. , Kilic V. T. , TÜRKMEN M.
AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, cilt.126, 2020 (SCI İndekslerine Giren Dergi)
- II. **High-efficiency flow-through induction heating**
KILIÇ V. T. , Unal E., DEMİR H. V.
IET POWER ELECTRONICS, cilt.13, sa.10, ss.2119-2126, 2020 (SCI İndekslerine Giren Dergi)
- III. **All-Surface Induction Heating With High Efficiency and Space Invariance Enabled by Arraying Squircle Coils in Square Lattice**
Kilic V. T. , Unal E., Yilmaz N., DEMİR H. V.
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, cilt.64, sa.3, ss.339-347, 2018 (SCI İndekslerine Giren Dergi)
- IV. **Coupling and power transfer efficiency enhancement of modular and array of planar coils using in-plane ring-shaped inner ferrites for inductive heating applications**
Kilic V. T. , Unal E., Demir H. V.

JOURNAL OF APPLIED PHYSICS, cilt.122, sa.1, 2017 (SCI İndekslerine Giren Dergi)

- V. **Inductance and resistance measurement method for vessel detection and coil powering in all-surface inductive heating systems composed of outer squircle coils**
Kilic V. T. , Unal E., Demir H. V.
AIP ADVANCES, cilt.7, sa.5, 2017 (SCI İndekslerine Giren Dergi)
- VI. **Strongly Coupled Outer Squircle-Inner Circular Coil Architecture for Enhanced Induction Over Large Areas**
Kilic V. T. , Unal E., Gonendik E., Yilmaz N., Demir H. V.
IEEE TRANSACTIONS ON INDUSTRIAL ELECTRONICS, cilt.63, sa.12, ss.7478-7487, 2016 (SCI İndekslerine Giren Dergi)
- VII. **Wireless Metal Detection and Surface Coverage Sensing for All-Surface Induction Heating**
Kilic V. T. , Unal E., Demir H. V.
SENSORS, cilt.16, sa.3, 2016 (SCI İndekslerine Giren Dergi)
- VIII. **Optical antenna of comb-shaped split ring architecture for increased field localization in NIR and MIR**
Kilic V. T. , Erturk V. B. , Demir H. V.
OPTICS EXPRESS, cilt.21, sa.24, ss.29455-29461, 2013 (SCI İndekslerine Giren Dergi)
- IX. **Three-dimensional study of planar optical antennas made of split-ring architecture outperforming dipole antennas for increased field localization**
Kilic V. T. , Erturk V. B. , Demir H. V.
OPTICS LETTERS, cilt.37, sa.2, ss.139-141, 2012 (SCI İndekslerine Giren Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Single and Double Side Comb-Shaped Patch Antenna Design Evolved from Rectangular Shape for Reduced Sized Antenna Applications**
Baydar H., Aslan M., KILIÇ V. T.
2020 International Conference on Radar, Antenna, Microwave, Electronics, and Telecommunications (ICRAMET), Tangerang, Endonezya, 18 Kasım 2020, ss.28-33
- II. **Comparative study of solar cell energy harvesting with non-rotating and rotating platforms imitating sun tracking and non-tracking applications**
Öztürk G., Chintu D., KILIÇ V. T.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Türkiye, 07 Ekim 2020, ss.493-499
- III. **Magnetic Field Calculation of Square Coils Having Rounded Corners**
Erman M. F. , KILIÇ V. T.
2019 1st Global Power, Energy and Communication Conference (GPECOM), Nevşehir, Türkiye, 12 Haziran 2019, ss.212-215
- IV. **An easy method for vessel detection and coil powering in all- surface inductive heating systems**
Kılıç V. T.
61st Annual Conference on Magnetism and Magnetic Materials, Louisiana, Amerika Birleşik Devletleri, 31 Ekim - 04 Kasım 2016
- V. **Novel Optical Antenna Designs of Comb Shaped Split Ring Architecture for NIR and MIR Enhanced Field Localization**
Kilic V. T. , Erturk V. B. , Demir H. V.
27th IEEE Photonics Conference (IPC), California, Amerika Birleşik Devletleri, 12 - 16 Ekim 2014, ss.318-319

Atıflar

Toplam Atıf Sayısı (WOS):26

h-indeksi (WOS):4