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Personal Information

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Research Areas

Communication Engineering, Micro and Nano Communication, Sattelite Communication, Electrical and Electronics Engineering, Electronic, Electromagnetic, Energy, Electrical and Magnetic Properties, Avionics, Engineering and Technology

Courses

MSC SPECIAL TOPICS, Postgraduate, 2018 - 2019

SENIOR PROJECT II, Undergraduate, 2018 - 2019

COMPUTER TOOLS FOR ELECTRICAL-ELECTRONICS ENGINEERING, Undergraduate, 2018 - 2019

MSC THESIS , Postgraduate, 2018 - 2019

CALCULUS II FOR ELECTRICAL-ELECTRONICS ENGINEERING, Undergraduate, 2018 - 2019

ELECTRONICS II, Undergraduate, 2018 - 2019

ANTENNAS, Undergraduate, 2017 - 2018

MSC SPECIAL TOPICS , Postgraduate, 2018 - 2019

SENIOR PROJECT I, Undergraduate, 2018 - 2019

ENGINEERING ELECTROMAGNETICS, Undergraduate, 2018 - 2019

MSC THESIS, Postgraduate, 2018 - 2019

UNDERGRADUATE RESEARCH PROJECT II, Undergraduate, 2018 - 2019

ELECTRONICS II, Undergraduate, 2017 - 2018

ELECTRONICS II LAB., Undergraduate, 2018 - 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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, vol.126, 2020 (Journal Indexed in SCI)
- II. **High-efficiency flow-through induction heating**
KILIÇ V. T. , Unal E., DEMİR H. V.
IET POWER ELECTRONICS, vol.13, no.10, pp.2119-2126, 2020 (Journal Indexed in SCI)
- III. **All-Surface Induction Heating With High Efficiency and Space Invariance Enabled by Arraying Squiracle Coils in Square Lattice**
Kilic V. T. , Unal E., Yilmaz N., DEMİR H. V.
IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, vol.64, no.3, pp.339-347, 2018 (Journal Indexed in SCI)
- 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, vol.122, no.1, 2017 (Journal Indexed in SCI)

- 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, vol.7, no.5, 2017 (Journal Indexed in SCI)
- 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, vol.63, no.12, pp.7478-7487, 2016 (Journal Indexed in SCI)
- VII. **Wireless Metal Detection and Surface Coverage Sensing for All-Surface Induction Heating**
Kilic V. T. , Unal E., Demir H. V.
SENSORS, vol.16, no.3, 2016 (Journal Indexed in SCI)
- 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, vol.21, no.24, pp.29455-29461, 2013 (Journal Indexed in SCI)
- 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, vol.37, no.2, pp.139-141, 2012 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- 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, Indonesia, 18 November 2020, pp.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, Turkey, 07 October 2020, pp.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, Turkey, 12 June 2019, pp.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, United States Of America, 31 October - 04 November 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, United States Of America, 12 - 16 October 2014, pp.318-319

Citations

Total Citations (WOS):26

h-index (WOS):4