

Prof. Mehmet ERTUĞRUL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: J-1443-2014

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Education Information

Doctorate, Ataturk University, Fbe, Turkey 1990 - 1994

Postgraduate, Ataturk University, Fbe, Turkey 1988 - 1990

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, L x -ışınlarının açılmal dağılı, Atatürk Üniversitesi, Fbe, Fizik, 1994

Research Areas

Electrical and Electronics Engineering, Electronic, Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Nanotechnology, Electromagnetic, Electromagnetic Waves, Antennas and Propagation, MEMS, Superconducting Materials and Devices, Semiconducting Materials and Devices, Engineering and Technology

Academic Titles / Tasks

Professor, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2003 - Continues

Professor, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2001 - 2003

Assistant Professor, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 1996 - 2001

Assistant Professor, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 1994 - 1996

Research Assistant PhD, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 1994 - 1994

Research Assistant, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 1988 - 1994

Academic and Administrative Experience

Yeni Nesil Üniversite Tasarım ve Dönüşüm Projesinin Yedi Katmanlı Yönetim Modeli Kapsamında Oluşturulan Komisyon Üyesi, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2021 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği, 2020 - Continues
Malezya ve Singapur kültür ve eğitim elçisi, Ataturk University, 2020 - Continues
Atatürk Üniversitesi, Nanobilim Ve Nanomühendislik, 2011 - 2017
Atatürk Üniversitesi, Nanobilim Ve Nanomühendislik Araştırma Ve Uygulama Merkezi, 2011 - 2017
Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, 2003 - 2008
Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, 2003 - 2008
Atatürk Üniversitesi, Elektrik Elektronik Mühendisliği, 2003 - 2005
Atatürk Üniversitesi, Agri Eğitim Fakültesi, 2001 - 2004
Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, 2000 - 2003
Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, 2000 - 2003
Atatürk Üniversitesi, Eczacılık Fakültesi, 1997 - 2003
Atatürk Üniversitesi, Eğitim Fakültesi, 1998 - 2001
Atatürk Üniversitesi, 1997 - 2000

Courses

BİLGİSAYAR DESTEKLİ ÖLÇME VE ENSTRÜMANTASYON, Postgraduate, 2021 - 2022
LABVIEW PROGRAMLAMA, Postgraduate, 2021 - 2022
Nanoelektronığe Giriş, Undergraduate, 2020 - 2021
Nanoyapılar İçin Analiz ve Karakterizasyon Teknikleri, Doctorate, 2021 - 2022
LABVIEW PROGRAMLAM, Postgraduate, 2020 - 2021
Nanoteknoloji İçin Radyasyon Teknikleri, Doctorate, 2020 - 2021
Elektrik Elektronik Seçmeli Tasarım II, Undergraduate, 2020 - 2021
Elektrik Elektronik Mühendisliği Seçmeli Tasarımı II, Undergraduate, 2020 - 2021
BİLİM EĞİTİM VE ETİK, Doctorate, 2020 - 2021
Bitirme Projesi II, Undergraduate, 2020 - 2021
BİLGİSAYAR DESTEKLİ ÖLÇME VE ENSTRÜMANTASYON, Postgraduate, 2020 - 2021
Elektrik Elektronik Seçmeli Tasarım II, Undergraduate, 2020 - 2021
Nanoelektronığe Giriş, Undergraduate, 2020 - 2021
Bitirme Projesi I, Undergraduate, 2020 - 2021
Labview, Undergraduate, 2020 - 2021
Labview, Undergraduate, 2020 - 2021
Material Science, Undergraduate, 2020 - 2021
Elektrik Elektronik Seçmeli Tasarım I, Undergraduate, 2020 - 2021
BİLİM EĞİTİM VE ETİK, Doctorate, 2020 - 2021
Elektrik Devre Laboratuvarı, Undergraduate, 2020 - 2021
Electrical Circuit Lab., Undergraduate, 2020 - 2021
MİKRO ve NANO DESENLEME TEKNİKLERİ, Postgraduate, 2020 - 2021
Malzeme Bilimi, Undergraduate, 2020 - 2021
Elektrik-Elektronik Mühendislik Malzemeleri, Undergraduate, 2020 - 2021
LABVIEW PROGRAMLAMA, Postgraduate, 2020 - 2021
Elektrik-Elektronik Mühendislik Malzemeleri, Undergraduate, 2020 - 2021
Elektrik Elektronik Mühendisliği Seçmeli Tasarımı I, Undergraduate, 2020 - 2021
Electrical Circuit Lab., Undergraduate, 2020 - 2021
Elektrik Devre Laboratuvarı, Undergraduate, 2020 - 2021

Advising Theses

- Ertuğrul M., Hidrotermal yöntem ile iki boyutlu WS₂ ve Bi₂S₃ nano yapıların sentezi ve süperkapasitör uygulamaları, Doctorate, A.KARA(Student), 2020
- Ertuğrul M., Tibbi görüntüleme cihazları için jel fantom tasarımı, Doctorate, T.KARABEY(Student), 2020
- Ertuğrul M., İki boyutlu malzemelerden nano aygıt tasarımı ve fabrikasyonu, Doctorate, M.ACAR(Student), 2020
- Ertuğrul M., Hasar U. C., Mikrodalga frekanslarında malzemelerin elektromanyetik karakterizasyonu üzerine yeni yöntemlerin geliştirilmesi, Doctorate, Y.KAYA(Student), 2020
- Ertuğrul M., Özyüzer L., Kuantum kademeli lazerlerde terahertz ışına için nanometre ince film metal-metal birleştirilmesi, Doctorate, S.ROUHI(Student), 2020
- Ertuğrul M., İletken metal oksit kaplı cam yüzeylerde elektromanyetik kalkanlama etkinliğinin incelenmesi, Postgraduate, M.ALİ(Student), 2019
- Ertuğrul M., Homojen ve homojen olmayan bianizotropik metamalzemelerin elektromanyetik özelliklerinin incelenmesi, Doctorate, G.ÖZTÜRK(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Analyses of Cu impurity effects on the USP grown MgO thin films: Structural, optical and photocatalytic assessments**
SAĞLAM H. K., İSKENDEROĞLU D., Güldüren M. E., GÜNEY H., Şahin B., ERTUĞRUL M.
Optical Materials, vol.145, 2023 (SCI-Expanded)
- II. **Elaboration and characterization of quaternary material Cu₂ZnSnS₄ by spray pyrolysis technique using Taguchi method**
Salma S., Hartiti B., Ziti A., Tchognia Nkuissi H. J., Benali H., Aykut Y., Fadili S., Thevenin P., ERTUĞRUL M.
Applied Physics A: Materials Science and Processing, vol.129, no.9, 2023 (SCI-Expanded)
- III. **Extraction Method for Unique Determination of Complex Permittivity From Graphical Analysis of Natural Frequencies**
Hasar U. C., ÖZTÜRK G., Kaya Y., Alfaqawi M. S. S., Barroso J. J., ERTUĞRUL M., Ramahi O. M.
IEEE Transactions on Antennas and Propagation, vol.71, no.9, pp.7690-7693, 2023 (SCI-Expanded)
- IV. **An efficient cost effective wide-angle metasurface-based linear and circular polarization converter for X-, Ku- and K-band applications**
ÖZTÜRK G., Hasar U. C., ERTUĞRUL M., Tutar F., ÇORAPSIZ M. F., Kurt M., Donmez K., Ismail I., Alfaqawi M. S.
Optics and Laser Technology, vol.163, 2023 (SCI-Expanded)
- V. **Temporal Reflection Response of Plane Waves Within an *N*-Layer Structure Involving Bianisotropy**
Hasar U. C., ÖZTÜRK G., Kaya Y., Barroso J. J., Ertugrul M., Ramahi O. M., Alfaqawi M. S. S.
IEEE Transactions on Antennas and Propagation, vol.71, no.7, pp.5946-5953, 2023 (SCI-Expanded)
- VI. **Excitation wavelength dependent triple-mode photoluminescence of copper-based halides for advanced anti-counterfeiting**
Liu C., Zhang Y., Luo M., Wang L., Liu X., Pan J., Zhao Z., Fang F., Mao L., Huang Y., et al.
APL Materials, vol.11, no.7, 2023 (SCI-Expanded)
- VII. **A Comparative Study of the Structural and Optical Properties of ZnS Films Deposited by Spray-Pyrolysis Technique**
Najim A., Hartiti B., Nkuissi H. J. T., Labrim H., Fadili S., ERTUĞRUL M., Thevenin P., BUDAK H. F., KASAPÖĞLU A. E.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.58, no.7, 2023 (SCI-Expanded)
- VIII. **Parameter extraction method for reflection-asymmetric bianisotropic metamaterial slabs using one-port measurements**
Hasar U. C., Kaya Y., Ozturk H., ERTUĞRUL M., Ramahi O. M.
Measurement: Journal of the International Measurement Confederation, vol.211, 2023 (SCI-Expanded)
- IX. **Structural, mechanical and cytotoxic properties of Ta-doped diamond-like carbon films deposited via**

radio frequency magnetron sputtering on polyether ether ketone

Keleş S., Duymuş Z., Sadeler R., Ertuğrul M., Meletlioğlu E.

Thin Solid Films, vol.769, 2023 (SCI-Expanded)

- X. **Investigation of the growth temperature effect on H₂ gas detection for ZnO thin films**
Sağlam H. K., Gür E., Ertuğrul M.
Optical Materials, vol.137, 2023 (SCI-Expanded)
- XI. **Mechanical Properties of Polymer-Infiltrated Fluorapatite Glass Ceramics Fabricated from Clam Shell and Soda Lime Silicate Glass**
KUL E., Matori K. A., Karadeniz Ş., Arslan E., ERTUĞRUL M.
Materiale Plastice, vol.60, no.1, pp.128-136, 2023 (SCI-Expanded)
- XII. **Experimental and theoretical insights on the structural and optical properties of GeO_x thin films deposited via RF magnetron sputtering under varying oxygen percentage**
Tuzemen E. S., Hopoglu H., SARITAŞ S., AYDINOĞLU H. S., ERTUĞRUL M., Maslov M. M., KAYA S., UNGAN F., Gur E.
PHYSICA B-CONDENSED MATTER, vol.650, 2023 (SCI-Expanded)
- XIII. **Honey-Water Content Analysis by Mixing Models Using a Self-Calibrating Microwave Method**
Hasar H., Hasar U. C., Kaya Y., Ozturk H., Izginli M., Öztaş T., Aslan N., Ertuğrul M., Barroso J. J., Ramahi O. M.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.71, no.2, pp.691-697, 2023 (SCI-Expanded)
- XIV. **Artificial Neural Network Model for Evaluating Parameters of Reflection-Asymmetric Samples From Reference-Plane-Invariant Measurements**
HASAR U. C., Ozturk H., Ertugrul M., Barroso J. J., Ramahi O. M.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.72, 2023 (SCI-Expanded)
- XV. **Permittivity Extraction of Soil Samples Using Coaxial-Line Measurements by a Simple Calibration**
Hasar H., Hasar U. C., Ozturk H., Izginli M., Aslan N., ÖZTAŞ T., ERTUĞRUL M., Karayilan M., Ramahi O. M.
IEEE Transactions on Geoscience and Remote Sensing, vol.61, 2023 (SCI-Expanded)
- XVI. **MnO₂ nanosheets synthesized on nitrogen-doped vertically aligned carbon nanotubes as a supercapacitor electrode material**
YEŞİLBAĞ Y. Ö., TUZLUCA YEŞİLBAĞ F. N., Huseyin A., Salih A. J. S., ERTUĞRUL M.
Journal of Alloys and Compounds, vol.925, 2022 (SCI-Expanded)
- XVII. **Enhancing the stability of environmental resistance of alloyed CdZnSeS@ZnS quantum dots by doping Ti ions into shell layer**
Fang F., Liu H., Wen Z., Liu C., Xu B., Zhang Z., Wang K., ERTUĞRUL M., Lei W., Sun X. W.
NANOTECHNOLOGY, vol.33, no.50, 2022 (SCI-Expanded)
- XVIII. **Transfer-free, scalable vertical heterostructure FET on MoS₂/WS₂ continuous films**
ACAR M., ERTUĞRUL M., GÜR E.
NANOTECHNOLOGY, vol.33, no.47, 2022 (SCI-Expanded)
- XIX. **Ag-doped ZnO hydrogen sensor grown by the USP method**
Sağlam H. K., Saritaş S., İskenderoğlu D., Güney H., Ertuğrul M.
OPTICAL MATERIALS, vol.133, 2022 (SCI-Expanded)
- XX. **Feasible Extraction Method for Electromagnetic Properties of Multilayer Metamaterials with Short-Circuit Termination**
Hasar U. C., ÖZTÜRK G., Kaya Y., Bute M., Karaaslan M., Barroso J. J., Ramahi O. M., ERTUĞRUL M.
IEEE Transactions on Antennas and Propagation, vol.70, no.11, pp.10650-10659, 2022 (SCI-Expanded)
- XXI. **Reply to Comment on "Synthesis of ZnS thin films using the spray pyrolysis technique" Comment**
Najim A., Hartiti B., Labrim H., Fadili S., ERTUĞRUL M., Thevenin P.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.29, pp.22708-22709, 2022 (SCI-Expanded)
- XXII. **Self-filtering narrowband perovskite photodetector with ultra-narrowband and high spectral rejection ratio**
Liao Y., Wang X., Pan Y., Xu Y., Li Q., Zhang X., Chen J., Zhu Z., Zhao Z., ERTUĞRUL M., et al.
APL MATERIALS, vol.10, no.10, 2022 (SCI-Expanded)
- XXIII. **The effect of deposition time on the growth and properties of copper doped zinc sulfide thin films**

deposited via spray pyrolysis

Najim A., Hartiti B., Labrim H., Fadili S., Tahri M., ERTUĞRUL M., Thevenin P., Mehr M. F.
MATERIALS CHEMISTRY AND PHYSICS, vol.290, 2022 (SCI-Expanded)

- XXIV. **The hierarchical synthesis of tungsten disulfide coated vertically aligned boron carbon nitride nanotubes composite electrodes for supercapacitors**
YEŞİLBAĞ Y. Ö., TUZLUCA YEŞİLBAĞ F. N., Huseyin A., ERTUĞRUL M.
JOURNAL OF ENERGY STORAGE, vol.52, 2022 (SCI-Expanded)
- XXV. **Comparative analysis of hydrogen sensing based on treated-TiO₂ in thick film gas sensor**
Chachuli S. A. M., Hamidon M. N., ERTUĞRUL M., Mamat M. S., Coban Ö., Shamsudin N. H.
Applied Physics A: Materials Science and Processing, vol.128, no.7, 2022 (SCI-Expanded)
- XXVI. **Thermally Processed Quantum-Dot Polypropylene Composite Color Converter Film for Displays**
Fang F., Wen Z., Chen W., Wang Z., Sun J., Liu H., Tang H., Hao J., Liu P., Xu B., et al.
ACS APPLIED MATERIALS & INTERFACES, vol.14, no.27, pp.31160-31169, 2022 (SCI-Expanded)
- XXVII. **Synthesis of ZnS thin films using the spray pyrolysis technique**
Najim A., Hartiti B., Labrim H., Fadili S., ERTUĞRUL M., Thevenin P.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.33, no.18, pp.15086-15097, 2022 (SCI-Expanded)
- XXVIII. **Determination of Propagation Constants and Wave Impedance of Non-Reciprocal Networks From Position-Insensitive Waveguide Measurements**
HASAR U. C., KAYA Y., Izginli M., Ozturk H., Barroso J. J., Ramahi O. M., ERTUĞRUL M.
IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, vol.70, no.5, pp.2723-2731, 2022 (SCI-Expanded)
- XXIX. **Sign-ambiguity-free retrieval of electromagnetic properties of bianisotropic metamaterials**
Cem Hasar U., ÖZTÜRK G., Ertugul M.
WAVES IN RANDOM AND COMPLEX MEDIA, vol.32, no.3, pp.1307-1321, 2022 (SCI-Expanded)
- XXX. **Easy-to-Implement Ultra-Thin, Wide-Band, and Multi-Functional Polarization Converter for K and Ka Band Applications**
Coskun A., HASAR U. C., Ozmen A., ERTUĞRUL M.
ADVANCED THEORY AND SIMULATIONS, vol.5, no.4, 2022 (SCI-Expanded)
- XXXI. **Theoretical investigation of structural, electronic, and optical properties of halide cubic perovskite CsPbBr_{3-x}I_x**
Najim A., Hartiti B., Absike H., Nkuissi H. J. T., Labrim H., Fadili S., Thevenin P., ERTUĞRUL M.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.141, 2022 (SCI-Expanded)
- XXXII. **Effect of Mn and Zn doping on natural resonance frequency of strontium U-type hexaferrite and its performance as electromagnetic wave absorbers**
Ismail I., Muhammad Zulkimi M. M., Azis R. S., Mustaffa M. S., Hamidon M. N., ERTUĞRUL M., YEŞİLBAĞ Y. Ö., Tuzluca F. N., Hasan I. h., ÖZTÜRK G., et al.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.898, 2022 (SCI-Expanded)
- XXXIII. **Calibration-Free Time-Domain Free-Space Permittivity Extraction Technique**
Hasar U. C., ÖZTÜRK G., Kaya Y., ERTUĞRUL M.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.70, no.2, pp.1565-1568, 2022 (SCI-Expanded)
- XXXIV. **Photocatalytic activity of cobalt aluminate nanoparticles synthesized by microwave-assisted combustion method**
Karakas İ. H., KARCIOĞLU KARAKAŞ Z., ERTUĞRUL M.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.161, 2022 (SCI-Expanded)
- XXXV. **Broadband Soil Permittivity Measurements Using a Novel De-Embedding Line-Line Method**
Hasar H., Hasar U. C., Kaya Y., Öztaş T., Canbolat M. Y., Aslan N., Ertugrul M., Ramahi O. M.
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, vol.19, 2022 (SCI-Expanded)
- XXXVI. **Improved Method for Permittivity Determination of Dielectric Samples by Free-Space Measurements**
HASAR U. C., KAYA Y., Ozturk H., Izginli M., ERTUĞRUL M., Barroso J. J., Ramahi O. M.
IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, vol.71, 2022 (SCI-Expanded)

- XXXVII. **Ultra-conductive wires with cascaded carbon nanotube/Cu structure**
Ozmen A., Mobtakeri S., Kocak Y., Akbaba U., Ertuğrul M., Gür E.
DIAMOND AND RELATED MATERIALS, vol.120, 2021 (SCI-Expanded)
- XXXVIII. **Effects of MWCNTs/graphene nanoflakes/MXene addition to TiO₂ thick film on hydrogen gas sensing**
Chachuli S. A. M., Hamidon M. N., ERTUĞRUL M., Mamat M. S., ÇOBAN Ö., Tuzluca F. N., YEŞİLBAĞ Y. Ö., Shamsudin N. H.
Journal of Alloys and Compounds, vol.882, 2021 (SCI-Expanded)
- XXXIX. **A carbon dioxide detector fabrication with screen printing technique for use in airplanes**
MASAT M., ERTUĞRUL M., Korul H.
AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY, vol.93, no.10, pp.1591-1596, 2021 (SCI-Expanded)
- XL. **Feasibility and Thermal/Electrical performance study of two smart hybrid systems combining parabolic trough collector with tubular thermoelectric generator**
Habchi A., Hartiti B., Labrim H., Fadili S., Benyoussef A., Belouaggadia N., Faddouli A., Ertugrul M., Benaissa M., Ntsoenzok E.
ENERGY REPORTS, vol.7, pp.1539-1559, 2021 (SCI-Expanded)
- XL1. **Simple and Accurate Electromagnetic Characterization of Omega-Class Bianisotropic Metamaterials Using the State Transition Matrix Method**
Hasar U. C., ÖZTÜRK G., Kaya Y., Barroso J. J., ERTUĞRUL M.
IEEE Transactions on Antennas and Propagation, vol.69, pp.7064-7067, 2021 (SCI-Expanded)
- XLII. **Coupling analysis between resonating metamaterial slabs using scattering parameters**
HASAR U. C., KAYA Y., Izginli M., Ozturk H., ERTUĞRUL M., Ramahi O. M.
MEASUREMENT, vol.182, 2021 (SCI-Expanded)
- XLIII. **Measurement of Propagation Characteristics of Nonreciprocal Networks/Lines Using a Line-Line Method**
HASAR U. C., Kaya Y., ERTUĞRUL M.
IEEE TRANSACTIONS ON ELECTROMAGNETIC COMPATIBILITY, vol.63, no.4, pp.1240-1247, 2021 (SCI-Expanded)
- XLIV. **Complex Permittivity and Thickness Evaluation of Low-Loss Dielectrics From Uncalibrated Free-Space Time-Domain Measurements**
Hasar U. C., Kaya Y., Ozturk H., Izginli M., Barroso J. J., Ramahi O. M., Ertuğrul M.
IEEE TRANSACTIONS ON GEOSCIENCE AND REMOTE SENSING, vol.60, 2021 (SCI-Expanded)
- XLV. **Prediction of water-adulteration within honey by air-line de-embedding waveguide measurements**
Hasar H., Hasar U. C., Kaya Y., Ozturk H., Izginli M., Özbek İ. Y., Öztaş T., Canbolat M. Y., Ertugrul M.
MEASUREMENT, vol.179, 2021 (SCI-Expanded)
- XLVI. **Determination of the effect of temperature on relative L X-ray intensity ratio of gadolinium, dysprosium and erbium**
CİNAN E., ERTUĞRUL M., AYĞÜN B., Sayyed M., KURUCU Y., ÖZDEMİR Y.
RADIATION PHYSICS AND CHEMISTRY, vol.183, 2021 (SCI-Expanded)
- XLVII. **In-situ thin film copper-copper thermocompression bonding for quantum cascade lasers**
Rouhi S., Ozdemir M., Ekmekcioglu M., Yigen S., Demirhan Y., Szerling A., Kosiel K., Kozubal M., Kruszka R., Prokaryn P., et al.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.11, pp.15605-15614, 2021 (SCI-Expanded)
- XLVIII. **New formalism for characterization of simple non-reciprocal networks free from singularity-point problem**
Hasar U. C., Kaya Y., ÖZTÜRK G., Ozturk H., Izginli M., ERTUĞRUL M.
Measurement: Journal of the International Measurement Confederation, vol.177, 2021 (SCI-Expanded)
- XLIX. **Natural Mode Series Expansion of Transient Transmission Field Through an N-Layer Structure**
Hasar U. C., ÖZTÜRK G., ERTUĞRUL M.
IEEE Transactions on Antennas and Propagation, vol.69, pp.3436-3442, 2021 (SCI-Expanded)
- L. **Effect of sample deformation in longitudinal axis on material parameter extraction by waveguides**
Hasar U. C., Kaya Y., ÖZTÜRK G., ERTUĞRUL M.

- Measurement: Journal of the International Measurement Confederation, vol.176, 2021 (SCI-Expanded)
- L.I. **Graphical Method for Examining Complex Natural Frequencies of Dispersive Materials**
Hasar U. C., ÖZTÜRK G., Barroso J. J., Gurbuz T. U., Kaya Y., ERTUĞRUL M.
IEEE Microwave and Wireless Components Letters, vol.31, pp.421-424, 2021 (SCI-Expanded)
- L.II. **Parameter Retrieval of Samples on a Substrate From Reflection-Only Waveguide Measurements**
HASAR U. C., Ozturk H., KAYA Y., Izginli M., ERTUĞRUL M.
IEEE MICROWAVE AND WIRELESS COMPONENTS LETTERS, vol.31, no.3, pp.320-323, 2021 (SCI-Expanded)
- L.III. **Synthesis and characterization of graphene/carbon nanotube hybrid: effects of Ni catalyst thickness and H-2 flow rate on growth and morphological structure**
Yeşilbağ Y. Ö., Tuzluca Yeşilbağ F. N., Huseyin A., Tuzluca M., Ismail I., Ertuğrul M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.6, pp.7943-7955, 2021 (SCI-Expanded)
- L.IV. **Determination of Constitutive Parameters of Strong-Coupled Bianisotropic Metamaterials Using Oblique Incidence Scattering Parameters**
ÖZTÜRK G., Hasar U. C., Bute M., ERTUĞRUL M.
IEEE Transactions on Antennas and Propagation, vol.69, no.2, pp.918-927, 2021 (SCI-Expanded)
- L.V. **Analysis of Solution Pattern of Natural Frequencies by a Graphical Method**
Hasar U. C., ÖZTÜRK G., Bute M., ERTUĞRUL M., Barroso J. J.
IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, vol.69, no.2, pp.1209-1212, 2021 (SCI-Expanded)
- L.VI. **Single-step, large-area, variable thickness sputtered WS₂ film-based field effect transistors**
Acar M., Mobtakeri S., Efeoğlu H., Ertuğrul M., Gür E.
CERAMICS INTERNATIONAL, vol.46, no.17, pp.26854-26860, 2020 (SCI-Expanded)
- L.VII. **Propagation constant measurements of reflection-asymmetric and nonreciprocal microwave networks from S-parameters without using a reflective standard**
Hasar U. C., Kaya Y., ÖZTÜRK G., ERTUĞRUL M.
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Journal of Agricultural and Food Engineering, Assistant Editor/Section Editor, 2020 - Continues

Memberships / Tasks in Scientific Organizations

ATATEKNOKENT, Board Member, 2020 - Continues, Turkey

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Non Academic Experience

Technology Development Zone, Atateknokent, Atateknokent

University, Universiti Putra Malaysia, Dış İlişkiler

Other Public Institution, Tübitak

State Agency, Oak Ridge National Laboratory

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