

Prof. Dr. HAKAN ALTAN

Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAB-9726-2019

ScopusID: 7801441454

Yoksis Araştırmacı ID: 167841

Eğitim Bilgileri

Bütünleşik Doktora, New Jersey Institute of Technology, Uygulamalı Fizik, Amerika Birleşik Devletleri 2000 - 2005

Lisans Çift Anadal, State University of New York State University at Stony Brook, Fizik Ve Astronomi, Amerika Birleşik Devletleri 1994 - 1998

Yabancı Diller

İngilizce, C2 Ustalık

Araştırma Alanları

Fizik, Yoğun Madde 2:Elektronik Yapı, Elektrik, Manyetik ve Optik Özellikler, Optik özellikler, Yoğun madde spektroskopisi, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2017 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2011 - 2017

Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2009 - 2011

Öğretim Görevlisi Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 2007 - 2009

Yönetilen Tezler

ALTAN H., Biological applications of terahertz time-domain attenuated total reflection spectroscopy, Yüksek Lisans, M.GELGEÇ(Öğrenci), 2022

Altan H., TIME DOMAIN TERAHERTZ ATTENUATED TOTAL INTERNAL REFLECTION SPECTROSCOPY, Yüksek Lisans, A.ATALAR(Öğrenci), 2021

ALTAN H., Novel methods in modulation and detection of terahertz waves for imaging applications, Doktora, T.TAKAN(Öğrenci), 2018

ALTAN H., Characterization of conductive properties of thin films in terahertz region, Yüksek Lisans,

M.AKKAYA(Öğrenci), 2017
ALTAN H., İnce filmlerin iletkenlik özelliklerinin terahertz bölgesinde karakterizasyonu., Yüksek Lisans, M.Akkaya(Öğrenci), 2017
ALTAN H., Terahertz time-domain spectroscopy and its application towards measurements in biology, Yüksek Lisans, Z.ÖZER(Öğrenci), 2016
ALTAN H., Terahertz(>0.3THz) active imaging systems, Yüksek Lisans, F.İDİKUT(Öğrenci), 2016
ALTAN H., Pulsed three dimensional THz imaging, Yüksek Lisans, B.KARAGÖZ(Öğrenci), 2016
ALTAN H., Design and characterization of metamaterials for Terahertz region, Yüksek Lisans, M.ALİ(Öğrenci), 2016
ALTAN H., Image reconstruction based on active scan techniques in the terahertz frequency range, Yüksek Lisans, V.ALİ(Öğrenci), 2014
ALTAN H., Development of a picosecond pulsed mode-locked fiber laser, Yüksek Lisans, M.EMRE(Öğrenci), 2013
ALTAN H., Fiber-integrated terahertz spectrometer driven by ultrafast ytterbium doped fiber laser, Yüksek Lisans, H.KESKİN(Öğrenci), 2013
ESENTÜRK O., ALTAN H., Dielectric properties of fuel oils and their ethanol mixtures investigated by terahertz time-domain spectroscopy, Yüksek Lisans, E.ARIK(Öğrenci), 2013
OKUTUCU ÖZYURT H. T., ALTAN H., Experimental investigation of nanofluids using terahertz time domain spectroscopy (THz TDS), Yüksek Lisans, C.KORAL(Öğrenci), 2012
ALTAN H., Development of a pulsed fiber laser for lidar system, Yüksek Lisans, E.DÜLGERGİL(Öğrenci), 2012
ALTAN H., Design and analysis of an open loop fiber-optic gyroscope, Yüksek Lisans, M.ÖZDEMİR(Öğrenci), 2012
ALTAN H., Imaging of metal surfaces using confocal laser scanning microscopy, Yüksek Lisans, B.CAN(Öğrenci), 2011
ALTAN H., Imaging solar cells using terahertz waves, Yüksek Lisans, S.KAYRA(Öğrenci), 2011
ALTAN H., Applications in broadband THz spectroscopy towards material studies, Yüksek Lisans, Z.TÜRKŞEN(Öğrenci), 2011
ALTAN H., Material characterization with terahertz time-domain spectroscopy, Doktora, D.KÖSEOĞLU(Öğrenci), 2010
ALTAN H., Investigation of DC generated plasmas using Terahertz time domain spectroscopy, Yüksek Lisans, G.KARAOĞLAN(Öğrenci), 2010
ALTAN H., Development of a compact time-domain terahertz spectrometer using photoconductive antenna detection method, Yüksek Lisans, Ü.ERÖZBEK(Öğrenci), 2009
ALTAN H., Fundamentals of a metal surface imaging system based on laser-optic principles, Yüksek Lisans, M.BEKTAŞ(Öğrenci), 2009
ALTAN H., Development of compact terahertz time-domain terahertz spectrometer using electro-optic detection method, Yüksek Lisans, M.MELİZ(Öğrenci), 2009
ALTAN H., Timing issues in a terawatt laser system, Yüksek Lisans, R.PINAR(Öğrenci), 2008

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Development of Polarization-Insensitive THz-to-IR Converters for Low-IR-Signature Target Detection and Imaging**
Aytaç B., ŞAHİN A. B., ALTAN H.
Sensors, cilt.24, sa.17, 2024 (SCI-Expanded)
- II. **Investigation of resonant properties of metamaterial THz filters fabricated from vanadium dioxide thin films**
Zeybek S., Demirhan Y., Noori A., Tugay H., Altan H., Sabah C., Aygun G., Ozyuzer L.
MODERN PHYSICS LETTERS B, cilt.38, sa.11, 2024 (SCI-Expanded)
- III. **Vanadyum dioksit ince filmlerinden üretilen metalmazeme THz filtrelerin rezonans özelliklerinin araştırılması**
Zeyrek S., Demirhan Y., Noori A., Tugay H., Altan H., Sabah C., Aygün Özyüzer G., Özyüzer L.
MODERN PHYSICS LETTERS B, cilt.38, sa.11, ss.2450056-2450071, 2024 (SCI-Expanded)
- IV. **Terahertz wavefront engineering using a hard-coded metasurface**
Noori A., Akyurek B., Demirhan Y., Ozyuzer L., Guven K., Altan H., Aygun G.

Optical and Quantum Electronics, cilt.55, sa.8, 2023 (SCI-Expanded)

- V. **Performance of an Active THz Imaging System for Recognition of Concealed Faces**
Yıldırım İ. O., Altan H., Şahin A. B.
Journal of Infrared, Millimeter, and Terahertz Waves, cilt.44, sa.5-6, ss.365-378, 2023 (SCI-Expanded)
- VI. **The sub-terahertz region absorption of sputter deposited nanoscale TiAlV thin films**
Öksüzöğlü R. M., ALTAN H., Abdüsselamoglu M. S., Özkan Ö. B., Bayram Y., Chakar E. S.
Optical Materials, cilt.135, 2023 (SCI-Expanded)
- VII. **Response of a Glow Discharge Detector to Far Infrared Radiation**
Kusoglu-Sarikaya C., Akbar D., ALTAN H.
IEEE TRANSACTIONS ON PLASMA SCIENCE, cilt.50, sa.12, ss.5023-5030, 2022 (SCI-Expanded)
- VIII. **1030 nm All-Fiber Closed-Loop Fiber Optic Gyroscope with High Sensitivity**
Keskin H., Vural H. A., Altinoz B., Bektik U., Altan H.
JOURNAL OF SENSORS, cilt.2022, 2022 (SCI-Expanded)
- IX. **Tuning structural, electrical, and THz optical properties of VxOy films with W-doping**
Atik B., Dirican E., Demirors O., Altan H., Esenturk O., Yildirim M., Akin T.
JOURNAL OF ALLOYS AND COMPOUNDS, cilt.903, 2022 (SCI-Expanded)
- X. **Time-Domain Characterization of the Radiation Pattern of the Terahertz Photoconductive Antennas**
Elmabruk K., Demir K., ALTAN H., Sahin A. B., ÜNLÜ M.
JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, cilt.40, sa.6, ss.595-605, 2019 (SCI-Expanded)
- XI. **Robust, Sensitive, and Inexpensive 2D Focal Plane Array Upconverting MMW Imaging Into the Visible**
Rozban D., Aharon A., Kahana L., Abramovich A., Yitzhaky Y., ALTAN H., Kopeika N. S.
IEEE PHOTONICS TECHNOLOGY LETTERS, cilt.31, sa.10, ss.747-750, 2019 (SCI-Expanded)
- XII. **An ex vivo comparative study of occlusal and proximal caries using terahertz and X-ray imaging**
Kamburoglu K., KARAGÖZ B., ALTAN H., Ozen D.
DENTOMAXILLOFACIAL RADIOLOGY, cilt.48, sa.2, 2019 (SCI-Expanded)
- XIII. **Cross-like terahertz metamaterial absorber for sensing applications**
SABAH C., MULLA B., ALTAN H., Ozyuzer L.
PRAMANA-JOURNAL OF PHYSICS, cilt.91, sa.2, 2018 (SCI-Expanded)
- XIV. **Stand-Off Through-the-Wall W-Band Millimeter-Wave Imaging Using Compressive Sensing**
ALKUS U., Sahin A. B., ALTAN H.
IEEE GEOSCIENCE AND REMOTE SENSING LETTERS, cilt.15, sa.7, ss.1025-1029, 2018 (SCI-Expanded)
- XV. **Multilayer Graphene Broadband Terahertz Modulators with Flexible Substrate**
KAYA E., Kakenov N., ALTAN H., Kocabas C., ESENTÜRK O.
JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, cilt.39, sa.5, ss.483-491, 2018 (SCI-Expanded)
- XVI. **Enhancing the image resolution in a single-pixel sub-THz imaging system based on compressed sensing**
ALKUS U., ERMEYDAN E. S., Şahin A. B., CANKAYA I., ALTAN H.
OPTICAL ENGINEERING, cilt.57, sa.4, 2018 (SCI-Expanded)
- XVII. **Thermally and optically tunable sub-terahertz superconducting fishnet metamaterial**
SABAH C., MULLA B., ALTAN H., Ozyuzer L.
PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS, cilt.544, ss.46-53, 2018 (SCI-Expanded)
- XVIII. **Terahertz Bandpass Frequency Selective Surfaces on Glass Substrates Using a Wet Micromachining Process**
Ramzan M., Khan T. M., Bolat S., NEBİOĞLU M. A., ALTAN H., Okyay A. K., Topalli K.
JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, cilt.38, sa.8, ss.945-957, 2017 (SCI-Expanded)
- XIX. **Fourcross shaped metamaterial filters fabricated from high temperature superconducting YBCO and Au thin films for terahertz waves**
Demirhan Y., Alaboz H., Nebioglu M. A., Mulla B., AKKAYA M., ALTAN H., SABAH C., Ozyuzer L.
SUPERCONDUCTOR SCIENCE & TECHNOLOGY, cilt.30, sa.7, 2017 (SCI-Expanded)
- XX. **An indium tin oxide metasurface filter for terahertz applications: Design, fabrication, and characterization**

- NEBİOĞLU M. A., Takan T., ALTAN H., Demirhan Y., Alaboz H., Ozyuzer L., SABAH C.
MODERN PHYSICS LETTERS B, cilt.31, sa.8, 2017 (SCI-Expanded)
- XXI. **Single- and double-sided sensor applications of metamaterials based on square-ring and diamond resonators for terahertz region**
SHAWKY N., Taha S. A. A., ALTAN H., SABAH C.
MODERN PHYSICS LETTERS B, cilt.31, sa.8, 2017 (SCI-Expanded)
- XXII. **Terahertz Propagation in Tissues and Its Thickness Limitation**
KARAGÖZ B., ALTAN H.
DEEP IMAGING IN TISSUE AND BIOMEDICAL MATERIALS: USING LINEAR AND NONLINEAR OPTICAL METHODS, ss.377-411, 2017 (SCI-Expanded)
- XXIII. **Observation of Gate-Tunable Coherent Perfect Absorption of Terahertz Radiation in Graphene**
Kakenov N., Balci O., Takan T., ÖZKAN V. A., Akan H., KOCABAŞ C.
ACS PHOTONICS, cilt.3, sa.9, ss.1531-1535, 2016 (SCI-Expanded)
- XXIV. **Characterization of a terahertz wave scanned imaging system for threat detection at standoff distances**
YILDIRIM İ. S., ÖZKAN V. A., Idikut F., Takan T., ŞAHİN A. B., ALTAN H.
OPTICAL AND QUANTUM ELECTRONICS, cilt.48, sa.7, 2016 (SCI-Expanded)
- XXV. **Terahertz Time-Domain Study of Silver Nanoparticles Synthesized by Laser Ablation in Organic Liquid**
Koral C., ORTAÇ B., ALTAN H.
IEEE TRANSACTIONS ON TERAHERTZ SCIENCE AND TECHNOLOGY, cilt.6, sa.4, ss.525-531, 2016 (SCI-Expanded)
- XXVI. **Detection of far-infrared radiation using glow discharge detectors**
Takan T., ALASGARZADE N., Uzun-Kaymak I. U., Sahin A. B., ALTAN H.
OPTICAL AND QUANTUM ELECTRONICS, cilt.48, sa.5, 2016 (SCI-Expanded)
- XXVII. **Metal mesh filters based on Ti, ITO and Cu thin films for terahertz waves**
Demirhan Y., Alaboz H., ÖZYÜZER L., Nebioglu M. A., Takan T., ALTAN H., Sabah C.
OPTICAL AND QUANTUM ELECTRONICS, cilt.48, sa.2, 2016 (SCI-Expanded)
- XXVIII. **Broadband terahertz modulators using self-gated graphene capacitors**
Kakenov N., Balci O., Polat E. O., ALTAN H., KOCABAŞ C.
JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS, cilt.32, sa.9, ss.1861-1866, 2015 (SCI-Expanded)
- XXIX. **Graphene-enabled electrically controlled terahertz spatial light modulators**
Kakenov N., Takan T., ÖZKAN V. A., Balci O., Polat E. O., ALTAN H., KOCABAŞ C.
OPTICS LETTERS, cilt.40, sa.9, ss.1984-1987, 2015 (SCI-Expanded)
- XXX. **Low-cost bandpass filter for terahertz applications**
Takan T., Keskin H., ALTAN H.
OPTICAL AND QUANTUM ELECTRONICS, cilt.47, sa.4, ss.953-960, 2015 (SCI-Expanded)
- XXXI. **Dielectric Properties of Diesel and Gasoline by Terahertz Spectroscopy**
ARIK E., ALTAN H., ESENTÜRK O.
JOURNAL OF INFRARED MILLIMETER AND TERAHERTZ WAVES, cilt.35, sa.9, ss.759-769, 2014 (SCI-Expanded)
- XXXII. **Characterization of primary and permanent teeth using terahertz spectroscopy**
KAMBUROĞLU K., Yetimoglu N. O., ALTAN H.
DENTOMAXILLOFACIAL RADIOLOGY, cilt.43, sa.6, 2014 (SCI-Expanded)
- XXXIII. **Dielectric Properties of Ethanol and Gasoline Mixtures by Terahertz Spectroscopy and an Effective Method for Determination of Ethanol Content of Gasoline**
ARIK E., ALTAN H., ESENTÜRK O.
JOURNAL OF PHYSICAL CHEMISTRY A, cilt.118, sa.17, ss.3081-3089, 2014 (SCI-Expanded)
- XXXIV. **A simple single-mode fiber loss measurement scheme in the C-band based on fiber loop-cavity ringdown spectroscopy**
Berberoglu H., ALTAN H.
OPTICS COMMUNICATIONS, cilt.317, ss.29-33, 2014 (SCI-Expanded)

- XXXV. **Development of a rapid-scan fiber-integrated terahertz spectrometer**
Keskin H., ALTAN H., Yavas S., İLDAY F. Ö., Eken K., ŞAHİN A. B.
OPTICAL AND QUANTUM ELECTRONICS, cilt.46, sa.4, ss.495-503, 2014 (SCI-Expanded)
- XXXVI. **Concentration-Based Measurement Studies of L-Tryptophan Using Terahertz Time-Domain Spectroscopy (THz-TDS)**
Ozer Z., Gok S., ALTAN H., Severcan F.
APPLIED SPECTROSCOPY, cilt.68, sa.1, ss.95-100, 2014 (SCI-Expanded)
- XXXVII. **Characterization of polypropylene treated under dual-RF plasma using terahertz time-domain spectroscopy**
Akbar D., ALTAN H.
JOURNAL OF MATERIALS SCIENCE, cilt.48, sa.23, ss.8209-8214, 2013 (SCI-Expanded)
- XXXVIII. **Characterization of a Glow Discharge Detector With Terahertz Time Domain Spectroscopy**
Cinar K., Bozaci H. M., ALTAN H.
IEEE SENSORS JOURNAL, cilt.13, sa.7, ss.2643-2647, 2013 (SCI-Expanded)
- XXXIX. **Characteristics of HfO₂ and SiO₂ on p-type silicon wafers using terahertz spectroscopy**
Altan H., Sengupta A., Pham D., Grebel H., Federici J. F.
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, cilt.22, sa.5, ss.457-463, 2007 (SCI-Expanded)
- XL. **Terahertz absorption spectrum of para and ortho water vapors at different humidities at room temperature**
Xin X., Altan H., Saint A., Matten D., Alfano R. R.
JOURNAL OF APPLIED PHYSICS, cilt.100, sa.9, 2006 (SCI-Expanded)
- XLI. **Terahertz (THz) spectroscopy of Freon-11 (CCl₃F, CFC-11) at room temperature**
Altan H., Yu B. L., Alfano S. A., Alfano R. R.
CHEMICAL PHYSICS LETTERS, cilt.427, ss.241-245, 2006 (SCI-Expanded)
- XLII. **Direct observation of the strength of plasmon-longitudinal optical phonon interaction in n-type GaAs**
Altan H., Xin X., Matten D., Alfano R. R.
APPLIED PHYSICS LETTERS, cilt.89, sa.5, 2006 (SCI-Expanded)
- XLIII. **Terahertz study of 1,3,5-trinitro-s-triazine by time-domain and Fourier transform infrared spectroscopy**
Huang F., Schulkin B., Altan H., Federici J., Gary D., Barat R., Zimdars D., Chen M., Tanner D.
APPLIED PHYSICS LETTERS, cilt.85, sa.23, ss.5535-5537, 2004 (SCI-Expanded)
- XLIV. **Optical and electronic characteristics of single walled carbon nanotubes and silicon nanoclusters by terahertz spectroscopy**
Altan H., Huang F., Federici J., Lan A., Grebel H.
JOURNAL OF APPLIED PHYSICS, cilt.96, sa.11, ss.6685-6689, 2004 (SCI-Expanded)
- XLV. **Terahertz imaging using an interferometric array**
Federici J., Gary D., Schulkin B., Huang F., Altan H., Barat R., Zimdars D.
APPLIED PHYSICS LETTERS, cilt.83, sa.12, ss.2477-2479, 2003 (SCI-Expanded)
- XLVI. **Damped Ly alpha absorption associated with an early-type galaxy at redshift z=0.16377**
Lanzetta K., Wolfe A., Altan H., Barcons X., Chen H., FernandezSoto A., Meyer D., OrtizGil A., Savaglio S., Webb J., et al.
ASTRONOMICAL JOURNAL, cilt.114, sa.4, ss.1337-1344, 1997 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Elektriksel Ölçüm ve Terahertz Teknolojileri**
KAYRA GÜLLÜ S., Akbar D., ALTAN H.
ODTÜLÜDERGİSİ, ss.68-69, 2012 (Hakemsiz Dergi)

Kitap & Kitap Bölümleri

- I. **Tryptophan as a biomarker using terahertz spectroscopy**
Altan H., Gürel O.
Biophotonics, Tryptophan and Disease, Laura A. Sordillo, Peter P. Sordillo, Editör, AP, London , Cambridge, ss.41-51, 2022
- II. **THz Sources and Detectors Fabricated from High Temperature Superconductors**
Altan H., Demirhan Y., Özyüzer L., Aygün Özyüzer G., Türkoğlu F.
Terahertz (THz), Mid Infrared (MIR) and Near Infrared (NIR) Technologies for Protection of Critical Infrastructures Against Explosives and CBRN, Pereira M.F., Apostolakis A., Editör, Springer-Verlag , Dordrecht, ss.153-164, 2021
- III. **Development of Stand-Off Imaging Systems Using Low Cost Plasma Detectors That Work in the GHz to THz Range**
Altan H., Akbar D., Pavia J. P., Ribeiro M., Şahin A. B., Kuşoğlu-Sarıkaya C.
Terahertz (THz), Mid Infrared (MIR) and Near Infrared (NIR) Technologies for Protection of Critical Infrastructures Against Explosives and CBRN, Apostolakis A., Pereira M.F., Editör, Springer-Verlag , Dordrecht, ss.275-285, 2021
- IV. **Development of Stand-Off Imaging Systems Using Low Cost Plasma Detectors That Work in the GHz to THz Range**
AKBAR D., ALTAN H., Ribeiro M., ŞAHİN A. B., Kuşoğlu Sarıkaya C., Pavia J. P.
Terahertz (THz), Mid Infrared (MIR) and Near Infrared (NIR) Technologies for Protection of Critical Infrastructures Against Explosives and CBRN. NATO Science for Peace and Security Series B: Physics and Biophysics, Pereira M.F., Apostolakis A., Editör, Springer, Dordrecht, ss.275-285, 2021
- V. **THz Sources and Detectors Fabricated from High Temperature Superconductors**
DEMİRHAN Y., Türkoğlu F., ALTAN H., SABAH C., ÖZYÜZER L.
Terahertz (THz), Mid Infrared (MIR) and Near Infrared (NIR) Technologies for Protection of Critical Infrastructures Against Explosives and CBRN. NATO Science for Peace and Security Series B: Physics and Biophysics, Pereira M.F., Apostolakis A., Editör, Springer, Dordrecht, ss.153-164, 2021
- VI. **Numerical Simulation of the Plasma Inside a Glow Discharge Millimeter Wave Detector**
Kuşoğlu Sarıkaya C., Akbar D., Altan H.
Optics, Photonics and Laser Technology 2018, Paulo Ribeiro Maria Raposo, Editör, Springer-Verlag , Zürich, ss.221-238, 2019
- VII. **Compressive Sensing Imaging at Sub-THz Frequency in Transmission Mode**
ÖZKAN V. A., Menteşe Y., TAKAN T., ŞAHİN A. B., ALTAN H.
THz for CBRN and Explosives Detection and Diagnosis, Mauro Pereira, Oleksiy Shulika, Editör, Springer Netherlands, Dordrecht, ss.49-55, 2017
- VIII. **Investigating Glow Discharge Detectors as a Millimeter-Wave/Terahertz Radiation Detection Tool**
ALASGARZADE N., NEBİOĞLU M. A., TAKAN T., UZUN KAYMAK İ. Ü., ŞAHİN A. B., ALTAN H.
THz for CBRN and Explosives Detection and Diagnosis, Mauro Pereira, Oleksiy Shulika, Editör, Springer Netherlands, Dordrecht, ss.179-187, 2017
- IX. **Terahertz Propagation in Tissues and Its Thickness Limitation**
KARAGÖZ B., ALTAN H.
Deep Imaging in Tissue and Biomedical Materials: Using Linear and Nonlinear Optical Methods, Lingyan Shi, Robert R. Alfano, Editör, Pan Stanford, ss.377-411, 2017
- X. **Plasma Sensing using THz Waves**
ALTAN H.
NATO Science for Peace and Security Series B Physics and Biophysics Terahertz and Mid Infrared Radiation, Mauro F. Pereira, Oleksiy Shulika , Editör, Springer Netherlands, ss.1-8, 2011
- XI. **Characterization of Air-Nitrogen-Argon DC Glow Discharge Plasma with THz Time Domain Spectroscopy**
Karaoğlu G., TOSUN Z., Demiral A., ALTAN H.

NATO Science for Peace and Security Series B Physics and Biophysics Terahertz and Mid Infrared Radiation, Mauro F. Pereira, Oleksiy Shulika , Editör, Springer Netherlands, ss.73-77, 2011

XII. Influence of the Spot Size of the Probe Beam on the Detected THz Power Using Electro-Optic Detection Method

Metbulut M., GÜLLÜ H. H., ALTAN H.

NATO Science for Peace and Security Series B Physics and Biophysics Terahertz and Mid Infrared Radiation, Mauro F. Pereira, Oleksiy Shulika , Editör, Springer Netherlands, ss.107-111, 2011

XIII. Numerical Improvement of Terahertz Time-Domain Spectroscopic Measurements

Köseoğlu D., BERBEROĞLU H., ALTAN H.

NATO Science for Peace and Security Series B Physics and Biophysics Terahertz and Mid Infrared Radiation, Mauro F. Pereira, Oleksiy Shulika , Editör, Springer Netherlands, ss.85-90, 2011

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. THz to IR Converter for Incoherent Detection of Radiation

Aytac B., ŞAHİN A. B., ALTAN H.

Sensors and Communication Technologies in the 1 GHz to 10 THz Band 2024, Edinburgh, İngiltere, 18 - 19 Eylül 2024, cilt.13203

II. Antipodal Vivaldi antenna with frequency selective surface for ultrawideband radar systems

Köseni E., ALTAN H., Özdemir Ö.

Sensors and Communication Technologies in the 1 GHz to 10 THz Band 2024, Edinburgh, İngiltere, 18 - 19 Eylül 2024, cilt.13203

III. Propagation of Laguerre-Gaussian Modes at Millimeter-wave through Scattering Media

Dogru S., ALTAN H., ŞAHİN A. B.

Emerging Imaging and Sensing Technologies for Security and Defence VIII 2023, Amsterdam, Hollanda, 5 - 06 Eylül 2023, cilt.12740

IV. Evaluation of performance of an active terahertz imaging system for concealed face recognition

Yıldırım İ. O., Doğru Ş., ŞAHİN A. B., ALTAN H.

Artificial Intelligence for Security and Defence Applications 2023, Amsterdam, Hollanda, 4 - 05 Eylül 2023, cilt.12742

V. Fast and sensitive MMW imaging system with up-conversion readout working in the NIR Zone

Kurup A. R., Rozban D., Kopeika N. S., Yitzhaky Y., ALTAN H., Abramovich A.

Radar Sensor Technology XXVII 2023, Florida, Amerika Birleşik Devletleri, 1 - 03 Mayıs 2023, cilt.12535

VI. Detection and recognition of concealed faces using a 340 GHz imaging system

YILDIRIM İ. O., ŞAHİN A. B., ALTAN H.

SPIE Security + Defence, 2022, Almanya, 5 - 07 Eylül 2022

VII. Broadband THz Absorber Layers for Microbolometer Applications

Atik B., Demirörs O., Yıldırım M., ALTAN H., ESENTÜRK O.

International Conference on Infrared, Millimeter, and Terahertz Waves, IRMMW-THz, 28 Ağustos 2022

VIII. Case presentation of oral soft tissue lesions by using ultrasound, terahertz and histopathology

KAMBUROĞLU K., Sönmez G., ÇAKMAK E. E., BARIŞ E., ALTAN H.

INTERNATIONAL CAPITAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC RESEARCH, Portekiz, 13 - 14 Temmuz 2022

IX. Comparison of terahertz and ultrasound imaging in the assessment of oral soft tissue lesions

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