

Prof. Emre GÜR

Personal Information

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Education Information

Doctorate, Ataturk University, Fen Bilimleri , Fizik, Turkey 2003 - 2007

Postgraduate, Ataturk University, Fen Blimelri Enstitsü, Fizik, Turkey 2001 - 2003

Undergraduate, Middle East Technical University, Fen Fakültes, Fizik, Turkey 1993 - 1999

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, II-VI Bileşik Yarıiletken Çinko Oksitte Nokta Kusurların Elektriksel İletkenliğe Etkileri, Atatürk Üniversitesi, Fen Fakültesi, Fizik, 2007

Postgraduate, Çinko Oksit Yarıiletkeninin Yapısal, Optik ve Elektriksel Karakterizasyon Teknikleriyle İncelenmesi , Atatürk Üniversitesi, Fen Fakültesi, Fizik, 2003

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Natural Sciences

Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Fizik, 2018 - Continues

Associate Professor, Ataturk University, Fen Fakültesi, Fizik, 2013 - 2018

Assistant Professor, Ataturk University, Fen Fakültesi, Fizik, 2007 - 2013

Research Assistant, Ataturk University, Fen Fakültesi, Fizik, 2001 - 2007

Academic and Administrative Experience

Assistant Director of the Institute, Ataturk University, Fen Fakültesi, Fizik, 2021 - Continues

Enstitü Yönetim Kurulu Üyesi, Ataturk University, Fen Fakültesi, Fizik, 2021 - Continues

Performans Değerlendirme Komisyonu Başkanı, Ataturk University, Fen Bilimleri Enstitüsü, 2021 - Continues

Performans Değerlendirme Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Fizik, 2021 - Continues

Assistant Manager of Research and Application Center, Ataturk University, Fen Fakültesi, Fizik, 2020 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Ataturk University, Fen Bilimleri Enstitüsü, 2020 - Continues
Rectorate Commissioner, Ataturk University, Fen Fakültesi, Fizik, 2020 - Continues
Rectorate Commissioner, Ataturk University, Fen Fakültesi, Fizik, 2020 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Fen Fakültesi, Fizik, 2020 - Continues
Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Ataturk University, Fen Fakültesi, Fizik, 2021 - 2022
Atatürk Üniversitesi, Daytam, 2015 - 2018

Courses

Nanofizik, Undergraduate, 2021 - 2022
Optik , Undergraduate, 2019 - 2020, 2020 - 2021
Mekanik Laboratuvarı, Undergraduate, 2020 - 2021
Nanoscience and Nanotechnology, Postgraduate, 2020 - 2021
Optik ve Uygulamaları, Undergraduate, 2020 - 2021
Yarıiletken Aygıtlar, Postgraduate, 2021 - 2022
Nanosicence and Nanotechnoplogy, Postgraduate, 2021 - 2022
Yarıiletken Aygit Fiziği, Undergraduate, 2020 - 2021
Wide Bandgap Semiconductors, Doctorate, 2019 - 2020
Semiconductor Physics, Undergraduate, 2020 - 2021

Advising Theses

Gür E., RF saçırma yöntemi ile büyütülen GaN filmlerinde AlN tampon varlığının incelenmesi, Postgraduate, A.COŞKUN(Student), 2019

Jury Memberships

Appointment Academic Staff, Appointment Academic Staff, Atatürk Üniversitesi, May, 2020
Associate Professor Exam, Associate Professor Exam, Atatürk Üniversitesi, March, 2020

Designed Courses And Trainings

Gür E., Yüzey ve Ötesi , November 2021
Gür E., BİLİMSEL ARAŞTIRMALARDA X - I Ş İ N L A R I A N A L İ Z T E K N İ K L E R İ - I I I , April 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Highly Responsive Pd-Decorated MoO₃ Nanowall H₂ Gas Sensors Obtained from In-Situ-Controlled Thermal Oxidation of Sputtered MoS₂ Films**
Mobtakeri S., Habashyani S., GÜR E.
ACS APPLIED MATERIALS & INTERFACES, vol.14, no.22, pp.25741-25752, 2022 (Journal Indexed in SCI)
- II. **Efficient CdS quantum dot sensitized solar cells based on electrochemically reduced graphene oxide (ERGO)/ZnO nanowall photoanodes and MoS₂, WS₂, CuS cascaded counter electrodes**
Eryigit M., Mohtakeri S., Gur E. P. , Temur E., ÖZNLÜER ÖZER T., DEMİR Ü., GÜR E.
SOLAR ENERGY, vol.234, pp.348-359, 2022 (Journal Indexed in SCI)
- III. **High optical response NiO, Pd/NiO and Pd/WO₃ hydrogen sensors**
ÇOBAN Ö., Tekmen S., GÜR E., TÜZEMEN S.

International Journal of Hydrogen Energy, 2022 (Journal Indexed in SCI Expanded)

- IV. **Solution-Processable Growth and Characterization of Dandelion-like ZnO:B Microflower Structures**
Erat S., Braun A., ÇETİNKAYA S., Yildirimcan S., KASAPOĞLU A. E. , Guer E., Harputlu E., OCAKOĞLU K.
CRYSTALS, vol.12, no.1, 2022 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **Characterization of multilayer Al doping in ZnO**
Şenadım Tüzemen E., Merhan Muğlu G., Alaydin B. Ö. , Altun D., Cetin S. K. , Gür E.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.57, pp.1039-1047, 2021 (Journal Indexed in SCI)
- VII. **Production of novel carbon nanostructures by electrochemical reduction of polychlorinated organic rings under mild conditions for supercapacitors**
Kudas Z., Çepni E., Gür E., Ekinici D.
NEW JOURNAL OF CHEMISTRY, vol.45, no.32, pp.14765-14778, 2021 (Journal Indexed in SCI)
- VIII. **The effect of the change in the amount of Sb doping in ZnO nanorods for hydrogen gas sensors**
Kasapoğlu A. E. , Habashyani S., Baltakesmez A., İskenderoğlu D., Gür E.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.46, no.41, 2021 (Journal Indexed in SCI)
- IX. **Influence of the PALE growth temperature on quality of MOVPE grown AlN/Si (111)**
Altuntaş İ., Kocak M. N. , Yolcu G., Budak H. F. , Kasapoğlu A. E. , Horoz S., Gür E., Demir İ.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.127, 2021 (Journal Indexed in SCI)
- X. **Photoluminescence and structural properties of zirconium dioxide thin films produced by RF sputtering technique**
Bakacak P. K. , Gür E., Bayram Ö., Tüzemen S., Simsek O.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 2021 (Journal Indexed in SCI)
- XI. **Gallium oxide films deposition by RF magnetron sputtering; a detailed analysis on the effects of deposition pressure and sputtering power and annealing**
Mobtakeri S., Akaltun Y., Özer A., Kilic M., Şenadım Tüzemen E., Gür E.
CERAMICS INTERNATIONAL, vol.47, no.2, pp.1721-1727, 2021 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **Influences of thickness and temperature of low temperature GaAs buffer layer on two-step MOVPE grown GaAs/Ge heterostructures**
Demir İ., Kasapoğlu A. E. , Budak H. F. , Gür E., Elagöz S.
EUROPEAN PHYSICAL JOURNAL-APPLIED PHYSICS, vol.90, no.2, 2020 (Journal Indexed in SCI)
- XIV. **Growth Control of WS₂: From 2D Layer by Layer to 3D Vertical Standing Nanowalls**
Kocak Y., Gür E.
ACS APPLIED MATERIALS & INTERFACES, vol.12, no.13, pp.15785-15792, 2020 (Journal Indexed in SCI)
- XV. **X-ray photoelectron spectroscopy (XPS) and gamma-ray shielding investigation of boro-silicate glasses contained alkali/alkaline modifier**
Kaky K. M. , ŞAKAR E., Akbaba U., KASAPOĞLU A. E. , Sayyed M. I. , GÜR E., Baki S. O. , Mahdi M. A.
RESULTS IN PHYSICS, vol.14, 2019 (Journal Indexed in SCI)
- XVI. **AlGaN/AlN MOVPE heteroepitaxy: pulsed co-doping SiH₄ and TMIn**
DEMİR İ., KOÇAK Y., KASAPOĞLU A. E. , Razeghi M., GÜR E., Elagoz S.
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.34, no.7, 2019 (Journal Indexed in SCI)
- XVII. **Distributed contact flip chip InGaN/GaN blue LED; comparison with conventional LEDs**
GENÇ M., Sheremet V., Elci M., KASAPOĞLU A. E. , ALTUNTAŞ İ., DEMİR İ., EĞİN G., Islamoglu S., GÜR E., MUZAFFEROĞLU N., et al.
SUPERLATTICES AND MICROSTRUCTURES, vol.128, pp.9-13, 2019 (Journal Indexed in SCI)
- XVIII. **Formation of carbon nanowalls by pulsed filtered cathodic vacuum arc deposition**
ŞENADIM TÜZEMEN E., Kilic M., Zeyrek B. K. , KASAPOĞLU A. E. , GÜR E., ALAYDİN B. Ö. , ESEN M., ESEN R.

- Diamond and Related Materials, vol.93, pp.200-207, 2019 (Journal Indexed in SCI)
- XIX. **Valance band properties of MgZnO thin films with increasing Mg content; Phase separation effects**
İSKENDEROĞLU D., Kasapoglu E., GÜR E.
Materials Research Express, vol.6, no.3, 2019 (Journal Indexed in SCI)
- XX. **Single, co-doping and triple doping Fe element in the ZnO crystal matrices**
FİDAN M., İSKENDEROĞLU D., Koçak Y., GÜR E.
MATERIALS RESEARCH EXPRESS, vol.6, no.4, pp.1-11, 2019 (Journal Indexed in SCI Expanded)
- XXI. **Microstructural Evolution of MOVPE Grown GaN by the Carrier Gas**
DEMİR İ., ALTUNTAŞ İ., KASAPOĞLU A. E. , MOBTAKERİ S., Guer E., Elagoz S.
SEMICONDUCTORS, vol.52, no.16, pp.2030-2038, 2018 (Journal Indexed in SCI)
- XXII. **Gamma and neutron irradiation effects on multi-walled carbon nanotubes**
Akbaba U., KASAPOĞLU A. E. , GÜR E.
DIAMOND AND RELATED MATERIALS, vol.87, pp.242-247, 2018 (Journal Indexed in SCI)
- XXIII. **Synthesis of Graphene-like Films by Electrochemical Reduction of Polyhalogenated Aromatic Compounds and their Electrochemical Capacitor Applications**
KUDAS Z., GÜR E., EKİNCİ D.
Langmuir, vol.34, no.27, pp.7958-7970, 2018 (Journal Indexed in SCI)
- XXIV. **Stress evolution of Ge nanocrystals in dielectric matrices**
Bahariqushchi R., RACİTİ R., Kasapoglu A. E. , Gur E., Sezen M., Kalay E., MİRABELLA S., AYDINLI A.
NANOTECHNOLOGY, vol.29, no.18, 2018 (Journal Indexed in SCI)
- XXV. **Oxygen partial pressure effects on the RF sputtered p-type NiO hydrogen gas sensors**
Turgut E., Çoban Ö., Sarıtaş S., Tüzemen S., Yıldırım M., Gür E.
Applied Surface Science, vol.435, pp.880-885, 2018 (Journal Indexed in SCI)
- XXVI. **Effects of gold nanoparticles on the growth of ZnO thin films and p-Si/ZnO heterostructures**
Baltakesmez A., YENİSOY A., TÜZEMEN S., GÜR E.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.74, pp.249-254, 2018 (Journal Indexed in SCI)
- XXVII. **The effects of two-stage HT-GaN growth with different V/III ratios during 3D-2D transition**
ALTUNTAŞ İ., DEMİR İ., KASAPOĞLU A. E. , MOBTAKERİ S., GÜR E., Elagoz S.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.51, no.3, 2018 (Journal Indexed in SCI)
- XXVIII. **Interfacial engineering of CuO nanorod/ZnO nanowire hybrid nanostructure photoanode in dye-sensitized solar cell**
Kilic B., Turkdogan S., ASTAM A., Baran S. S. , Asgin M., GÜR E., KOÇAK Y.
JOURNAL OF NANOPARTICLE RESEARCH, vol.20, no.1, 2018 (Journal Indexed in SCI)
- XXIX. **Synthesis and characterization of p-GaSe thin films and the analyses of I-V and C-V measurements of p-GaSe/p-Si heterojunction under electron irradiation**
ÇINAR DEMİR K., AYDOĞAN Ş., GÜR E., COŞKUN C., AYGÜN Z.
Radiation Effects And Defects In Solids, vol.172, pp.650-663, 2017 (Journal Indexed in SCI)
- XXX. **Deep level defects in N-rich and In-rich In_xGa_{1-x}N: in composition dependence**
GÜR E., Akyol F., Krishnamoorthy S., Rajan S., Ringel S. A.
SUPERLATTICES AND MICROSTRUCTURES, vol.99, pp.67-71, 2016 (Journal Indexed in SCI)
- XXXI. **Impurity-free quantum well intermixing for large optical cavity high-power laser diode structures**
Kahraman A., GÜR E., Aydinli A.
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.31, no.8, 2016 (Journal Indexed in SCI)
- XXXII. **Band gap engineering and modifying surface of TiO₂ nanostructures by Fe₂O₃ for enhanced-performance of dye sensitized solar cell**
Kilic B., Gedik N., Mucur S. P. , Hergul A. S. , GÜR E.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.31, pp.363-371, 2015 (Journal Indexed in SCI)
- XXXIII. **Deep levels in a-plane, high Mg-content Mg_xZn_{1-x}O epitaxial layers grown by molecular beam epitaxy**
Gur E., TABARES G., Arehart A., CHAUVEAU J. M. , HIERRO A., Ringel S. A.
JOURNAL OF APPLIED PHYSICS, vol.112, no.12, 2012 (Journal Indexed in SCI)

- XXXIV. **Nanoporous ZnO Photoelectrode for Dye-Sensitized Solar Cell**
Kilic B., GÜR E., TÜZEMEN S.
JOURNAL OF NANOMATERIALS, 2012 (Journal Indexed in SCI)
- XXXV. **Detailed characterization of deep level defects in InGaN Schottky diodes by optical and thermal deep level spectroscopies**
Gur E., ZHANG Z., KRISHNAMOORTY S., RAJAN S., RINGEL S. A.
APPLIED PHYSICS LETTERS, vol.99, no.9, 2011 (Journal Indexed in SCI)
- XXXVI. **N-Polar III-Nitride Green (540 nm) Light Emitting Diode**
Akyol F., Nath D. N. , Gur E., Park P. S. , Rajan S.
JAPANESE JOURNAL OF APPLIED PHYSICS, vol.50, no.5, 2011 (Journal Indexed in SCI)
- XXXVII. **Growth model for plasma-assisted molecular beam epitaxy of N-polar and Ga-polar In_xGa_{1-x}N**
Nath D. N. , Guer E., Ringel S. A. , Rajan S.
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B, vol.29, no.2, 2011 (Journal Indexed in SCI)
- XXXVIII. **Molecular beam epitaxy of N-polar InGaN**
Nath D. N. , Gur E., Ringel S. A. , Rajan S.
APPLIED PHYSICS LETTERS, vol.97, no.7, 2010 (Journal Indexed in SCI)
- XXXIX. **Structural, optical, and electrical properties of n-ZnO/p-GaAs heterojunction**
TEKMEN S., GÜR E., ASIL H., CINAR K., COSKUN C., TÜZEMEN S.
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.207, no.6, pp.1464-1467, 2010 (Journal Indexed in SCI)
- XL. **The effect of the electron irradiation on the series resistance of Au/Ni/6H-SiC and Au/Ni/4H-SiC Schottky contacts**
Cinar K., COSKUN C., AYDOĞAN Ş., ASIL H., GÜR E.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.268, no.6, pp.616-621, 2010 (Journal Indexed in SCI)
- XLI. **Nanoporous structures on ZnO thin films**
GÜR E., KILIC B., COSKUN C., TÜZEMEN S., BAYRAKCEKEN F.
SUPERLATTICES AND MICROSTRUCTURES, vol.47, no.1, pp.182-186, 2010 (Journal Indexed in SCI)
- XLII. **Temperature dependent capacitance and DLTS studies of Ni/n-type 6H-SiC Schottky diode**
DUMAN S., GÜR E., Dogan S., TÜZEMEN S.
CURRENT APPLIED PHYSICS, vol.9, no.6, pp.1181-1185, 2009 (Journal Indexed in SCI)
- XLIII. **Oxygen effects on radiation hardness of ZnO thin films**
GÜR E., ASIL H., CINAR K., COSKUN C., TÜZEMEN S., Meral K., ONGANER Y., ŞERİFOĞLU K.
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B, vol.27, no.5, pp.2232-2237, 2009 (Journal Indexed in SCI)
- XLIV. **Electrochemical growth of n-ZnO onto the p-type GaN substrate: p-n heterojunction characteristics**
ASIL H., GÜR E., CINAR K., COSKUN C.
APPLIED PHYSICS LETTERS, vol.94, no.25, 2009 (Journal Indexed in SCI)
- XLV. **Oxygen deficiency effects on recombination lifetime and photoluminescence characteristics of ZnO thin films; correlation with crystal structure**
GÜR E., TÜZEMEN S., Meral K., ONGANER Y.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.94, no.3, pp.549-554, 2009 (Journal Indexed in SCI)
- XLVI. **Temperature-dependent electrical characterization of nitrogen-doped ZnO thin film: vacuum annealing effect**
GÜR E., TÜZEMEN S., DOĞAN S.
PHYSICA SCRIPTA, vol.79, no.3, 2009 (Journal Indexed in SCI)
- XLVII. **Determination of the transport mechanisms in mixed conduction of reactively sputtered ZnO thin films**
TÜZEMEN S., GÜR E., DOĞAN S.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.41, no.13, 2008 (Journal Indexed in SCI)
- XLVIII. **High energy electron irradiation effects on electrical properties of Au n ZnO Schottky diodes**
GÜR E., COŞKUN C., TÜZEMEN S.

Journal Of Physics D-Applied Physics, vol.41, pp.105301, 2008 (Journal Indexed in SCI)

- XLIX. **Optical and structural properties of ZnO thin films; effects of high energy electron irradiation and annealing**
GÜR E., ASIL H., COSKUN C., TÜZEMEN S., Meral K., ONGANER Y., ŞERİFOĞLU K.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.266, no.9, pp.2021-2026, 2008 (Journal Indexed in SCI)
- L. **Principal issues in producing new ultraviolet light emitters based on transparent semiconductor zinc oxide**
TUZEMEN S., Gur E.
OPTICAL MATERIALS, vol.30, no.2, pp.292-310, 2007 (Journal Indexed in SCI)
- LI. **High-temperature Schottky diode characteristics of bulk ZnO**
Gur E., TUZEMEN S., KILIC B., COSKUN C.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.19, no.19, 2007 (Journal Indexed in SCI)
- LII. **An investigation of control mechanisms of the excitonic behavior in reactively sputtered ZnO on (0001) Al₂O₃**
TUZEMEN S., Gur E., YILDIRIM T., XIONG G., WILLIAMS R. T.
JOURNAL OF APPLIED PHYSICS, vol.100, no.10, 2006 (Journal Indexed in SCI)
- LIII. **Wide-bandgap modification of polycrystalline ZnO using Sn component on the basis of developing quantum-well hetero-structure**
YILDIRIM T., Gur E., Tuzemen S., BİLGİN V., KÖSE S., ATAY F., AKYÜZ I.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.27, pp.290-295, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Platinum activated WO₃ optical hydrogen sensors**
Çoban Ö., Gür E., Tüzemen S.
Materials Today: Proceeding, vol.46, pp.6913-6915, 2021 (Journal Indexed in ESCI)
- II. **Sputtered 2D transition metal dichalcogenides: from growth to device applications**
Acar M., Gür E.
TURKISH JOURNAL OF PHYSICS, vol.45, no.3, pp.131-147, 2021 (Journal Indexed in ESCI)
- III. **Fabrication and Analysis Of 2D/3D Heterojunction Between Continuous Few-layer WS₂ Film and Si (100)**
Acar M., Ertuğrul M., Gür E., Mobtakery S.
Hittite Journal of Science & Engineering, vol.8, no.1, pp.1-5, 2021 (Refereed Journals of Other Institutions)
- IV. **Characterization of Gallium Oxide/glass thin films grown by RF magnetron sputtering**
Mobtakeri S., ŞENADIM TÜZEMEN E., ÖZER A., GÜR E.
Cumhuriyet Science Journal, vol.41, no.4, pp.929-937, 2020 (Refereed Journals of Other Institutions)
- V. **p-Si(100)/InGaN thin film structure and investigation of its physical properties: N₂ gas flow effect**
ERDOĞAN E., kundakçı m., KASAPOĞLU A. E. , GÜR E.
Materials Today: Proceedings, vol.18, pp.1868-1874, 2019 (Refereed Journals of Other Institutions)
- VI. **Growth and characterization of InGaN thin films on Si (111) substrate by RF magnetron sputtering: N₂ gas flow effect**
ERDOĞAN E., KUNDAKÇI M., KASAPOĞLU A. E. , GÜR E.
American Journal Of Physics, 2018 (Refereed Journals of Other Institutions)
- VII. **Temperature dependent current voltage characteristics of electrodeposited p ZnO n Si heterojunction**
ASIL UĞURLU H., ÇINAR DEMİR K., GÜR E., COŞKUN C., TÜZEMEN S.
International Journal of Physical Sciences, vol.8, pp.371-379, 2013 (Refereed Journals of Other Institutions)
- VIII. **Effective Annealing of ZnO Thin Films Grown by Electrochemical Deposition Technique**
COŞKUN C., GÜNEY H., GÜR E., TÜZEMEN S.

Refereed Congress / Symposium Publications in Proceedings

- I. **Defects in III-V Nitride Materials and Devices**
Gür E.
4th International Symposium on Advanced Materials and Nanotechnology, Kuala-Lumpur, Malaysia, 1 - 03 December 2020, pp.1-6
- II. **RF magnetron sıçratma yöntemi kullanılarak Bi₂O₃ ince film büyütmede alttaş ve güç deęişiklięinin filmlerin yapısal özelliklerine etkisi**
Nagehan Ş., AKALTUN Y., GÜR E., SARITAŞ S.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020, Gaziantep, Turkey, 7 - 09 October 2020, pp.1064-1069
- III. **PECVD grown SiN photonic crystal micro-domes for the light extraction enhancement of GaN LEDs**
Genc M., Sheremet V., Altuntas I., Demir I., Gür E., Elagoz S., Gulseren O., Ozgur U., Avrutin V., Morkoc H., et al.
Conference on Gallium Nitride Materials and Devices XV, San-Francisco, Costa Rica, 4 - 06 February 2020, vol.11280
- IV. **Outstanding Optical and Electrical Hydrogen Gas Sensing Performance of WO₃ Nano-Walls**
GÜR E., Mobtakeri S., ÇOBAN Ö., Habashyani S.
2019 IEEE Regional Symposium on Micro and Nanoelectronics (RSM), Genting Highland, Pahang, Malaysia, 21 - 23 August 2019, pp.50-52
- V. **INVESTIGATION OF STRUCTURAL, OPTICAL AND GAS SENSOR PROPERTIES OF AS-DEPOSITED AND ZIRCONIUM (Zr) DOPED NiO**
TURGUT E., sevda s., YILDIRIM M., GÜR E.
HOCA AHMET YESEVİ2rd İNTERNATİONAL SCİENTİFİC RESEARCH CONGRESS06-08 December 2019, ERZURUM, 6 - 08 December 2019, pp.464-471
- VI. **CZTS Growth for Solar Cell Application by Electrochemical Deposition: pH Effect**
GÜR E., SARITAŞ S., ÇINAR DEMİR K., çoşkun c.
2019 IEEE Regional Symposium on Micro and Nanoelectronics (RSM), Genting Highland, Pahang, Malaysia, Malaysia, 21 - 23 August 2019
- VII. **International Conference on Diamond and Carbon Materials 2019, 8-12 September 2019, Seville, Spain**
Kudaş Z., GÜR E., EKİNCİ D.
30th International Conference on Diamond and Carbon Materials8–12 September 2019 Melia Lebreros, Seville, Spain, 8 - 12 September 2019
- VIII. **COMPARISON OF THE AS DEPOSITED NiCr₂O₄: ZnO AND NiO:ZnO THIN FILMS TOGETHER WITH DEVICES GROWN BY RADIO FREQUENCY SPUTTERING TECHNIQUE**
TURGUT E., GÜR E., YILDIRIM M., SARITAŞ S.
MARDİN ARTUKLU INTERNATIONAL SCIENTIFIC RESEARCH CONGRESS, Mardin, Turkey, 23 September - 25 August 2019, pp.324-330
- IX. **RF Power Effects on the Magnetron Sputtered WO₃ Thin Films**
MERHAN MUĞLU G., GÜR E.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019
- X. **Magnetron Sputtered MoO₃ Films for Electrochromic Devices**
MERHAN MUĞLU G., VAHİD A. F. , GÜR E.
3rd International Conference on Advanced Engineering Technologies, Turkey, 19 - 21 September 2019
- XI. **DETERMINATION OF THE STRUCTURAL PROPERTIES OF NiO AND Al AND Zn DOPPED NiO THIN FILMS GROWN BY RADIO FREQUENCY SPUTTERİNG TECHNIQUE (RF) AND GAS SENSOR APPLICATION**
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Gazi Üniversitesi Fen Fakültesi Dergisi, Advisory Committee Member, 2021 - Continues

Journal of Anatolian Physics and Astrophysics, Advisory Committee Member, 2021 - Continues

Turkish Journal of Physics, Committee Member, 2020 - Continues

Memberships / Tasks in Scientific Organizations

Türk Fizik Derneği, Member, 2015 - Continues, United States Of America

Scientific Refereeing

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SVTA Associates, Scientific Consultancy, Ataturk University, Fen Fakültesi, Fizik, Turkey, 2021 - Continues
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Total Citations (WOS):769

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Non Academic Experience

University, Sivas Cumhuriyet Üniversitesi, Nanofotonik Araştırma ve Uygulama Merkezi