

Prof. Muhammet YILDIRIM

Personal Information

Email: myildir@atauni.edu.tr

Web: <https://avesis.atauni.edu.tr/myildir>

International Researcher IDs

ScholarID: 7X0SyXkAAAAJ

ORCID: 0000-0001-9313-8962

Yoksis Researcher ID: 25464

Education Information

Doctorate, Ataturk University, Fen Fakültesi, Fizik, Turkey 1987 - 1992

Postgraduate, Ataturk University, Fen Fakültesi, Fizik, Turkey 1985 - 1987

Undergraduate, Ataturk University, Fen Fakültesi, Fizik, Turkey 1980 - 1984

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, YÜKSEK ÖZDİRENÇLİ P-TİPİ SİLİSYUMDA SICAKLIĞA BAĞLI ENİNE MAGNETOREZİSTANS, Ataturk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 1992

Postgraduate, NÖTRONLARLA İŞİNLEMANIN VE SU VERMENİN P-TİPİ SİLİSYUMUN ÖZDİRENCİ VE TAŞIYICI YOĞUNLUĞU ÜZERİN ETKİLERİ, Ataturk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 1987

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electronic structure of bulk material, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Magnetic Properties and Materials, Electronic transport in condensed matter, Natural Sciences

Academic Titles / Tasks

Professor, Ataturk University, Fen Fakültesi, Fizik, 2001 - Continues

Academic and Administrative Experience

Head of Department, Ataturk University, Fen Fakültesi, Fizik, 2018 - Continues

Erzincan Binali Yıldırım Üniversitesi, Fen-Edebiyat Fakültesi, Fizik, 2011 - 2014

Ataturk Üniversitesi, İspir Hamza Polat Myo, Fizik, 2002 - 2008

Courses

Fizik 2, Undergraduate, 2023 - 2024, 2021 - 2022
Termodinamik, Undergraduate, 2023 - 2024
Temel Fizik Laboratuvarı, Undergraduate, 2022 - 2023
Akademik Sunum Becerileri, Undergraduate, 2022 - 2023, 2021 - 2022
Fizik I, Undergraduate, 2023 - 2024, 2020 - 2021
Fizik II, Undergraduate, 2021 - 2022, 2019 - 2020
Katalal Fiziği Lab, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Elektrik ve Manyetizma, Undergraduate, 2021 - 2022, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of Optical, Structural and Electrical Properties of Heterostructure Fe2O3 Deposited by RF Magnetron Sputtering on ZnO Layer by Spray Pyrolysis**
Sarıtaş S., Çakıcı T., Merhan Muğlu G., Yıldırım M.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.1, pp.1200-1215, 2022 (SCI-Expanded)
- II. **Ni: Fe2O3, Mg: Fe2O3 and Fe2O3 thin films gas sensor application**
SARITAŞ S., KUNDAKÇI M., Coban O., TÜZEMEN S., YILDIRIM M.
PHYSICA B-CONDENSED MATTER, vol.541, pp.14-18, 2018 (SCI-Expanded)
- III. **The effect of Mg dopants on magnetic and structural properties of iron oxide and zinc ferrite thin films**
SARITAŞ S., Sakar B., KUNDAKÇI M., YILDIRIM M.
RESULTS IN PHYSICS, vol.9, pp.416-423, 2018 (SCI-Expanded)
- IV. **Oxygen partial pressure effects on the RF sputtered p-type NiO hydrogen gas sensors**
Turgut E., Coban Ö., Saritaş S., Tüzemen S., Yıldırım M., Gür E.
Applied Surface Science, vol.435, pp.880-885, 2018 (SCI-Expanded)
- V. **Exciting transition metal doped dilute magnetic thin films: MgO: Er and ZnO: Er**
ÇAKICI T., SARITAŞ S., GÜNAY M., YILDIRIM M.
FRONTIERS OF FUNDAMENTAL AND COMPUTATIONAL PHYSICS, vol.1, no.1815, pp.500021-500024, 2017 (SCI-Expanded)
- VI. **Effect of copper and nickel doping on the optical and structural properties of ZnO**
GÜNAY M. M., SARITAŞ S., ÇAKICI T., CEVİZ ŞAKAR B., YILDIRIM M.
FRONTIERS OF FUNDAMENTAL AND COMPUTATIONAL PHYSICS, vol.1, no.1815, pp.500081-500084, 2017 (SCI-Expanded)
- VII. **Conversion of SILAR deposited Cu3Se2 thin films to Cu2-xSe by annealing**
ASTAM A., AKALTUN Y., YILDIRIM M.
MATERIALS LETTERS, vol.166, pp.9-11, 2016 (SCI-Expanded)
- VIII. **Zinc concentration effect on structural, optical and electrical properties of Cd1-xZnxSe thin films**
AKALTUN Y., YILDIRIM M. A., ATEŞ A., YILDIRIM M.
MATERIALS RESEARCH BULLETIN, vol.47, no.11, pp.3390-3396, 2012 (SCI-Expanded)
- IX. **The relationship between refractive index-energy gap and the film thickness effect on the characteristic parameters of CdSe thin films**
AKALTUN Y., YILDIRIM M. A., Ates A., YILDIRIM M.
OPTICS COMMUNICATIONS, vol.284, no.9, pp.2307-2311, 2011 (SCI-Expanded)
- X. **Characteristic properties of indium selenide thin films grown by the successive ionic layer adsorption and reaction method**
ATEŞ A., ASTAM A., KUNDAKÇI M., YILDIRIM M.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.11, no.5, pp.644-648, 2009 (SCI-Expanded)
- XI. **Annealing and light effect on optical and electrical properties of evaporated indium selenide thin**

films

Ates A., KUNDAKÇI M., Astam A., YILDIRIM M.

PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.40, no.8, pp.2709-2713, 2008 (SCI-Expanded)

XII. Urbach tail and electric field influence on optical properties of InSe and InSe:Er single crystals

KUNDAKÇI M., Guerbak B., DOĞAN S., ATEŞ A., YILDIRIM M.

Applied Physics A: Materials Science and Processing, vol.90, no.3, pp.479-485, 2008 (SCI-Expanded)

XIII. Compton scattering of 59.5 keV gamma rays from p-Si sample in an external electric field

Demir D., Şahin Y., YILDIRIM M.

Journal of Quantitative Spectroscopy and Radiative Transfer, vol.97, no.3, pp.381-387, 2006 (SCI-Expanded)

XIV. Modification of exciton binding energy in the horizontal Bridgman-Stockbarger growth of InSe by Ho doping

ATEŞ A., Tuzemen S., Yildirim M.

JOURNAL OF APPLIED PHYSICS, vol.96, no.6, pp.3324-3327, 2004 (SCI-Expanded)

XV. Absorption measurements in InSe : Ho single crystal under an electric field

ATEŞ A., Gurbulak B., Yildirim M., Tuzemen S.

CZECHOSLOVAK JOURNAL OF PHYSICS, vol.54, no.3, pp.377-385, 2004 (SCI-Expanded)

XVI. Convertibility of conductivity type in reactively sputtered ZnO thin films

Tuzemen S., Dogan S., ATEŞ A., Yildirim M., XIONG G., WILKINSON J., WILLIAMS R.

PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.195, no.1, pp.165-170, 2003 (SCI-Expanded)

XVII. Temperature dependence of galvanomagnetic properties for lightly doped N-type Si

Ateş A., GÜRBULAK B., Doğan S., YILDIRIM M., TÜZEMEN S.

Turkish Journal of Physics, vol.26, no.1, pp.73-80, 2002 (SCI-Expanded)

XVIII. Near bandedge optical absorption processes in semi insulating and N-type GaAs

Yildirim T., TÜZEMEN S., Doğan S., GÜRBULAK B., Ateş A., YILDIRIM M.

Turkish Journal of Physics, vol.26, no.1, pp.29-32, 2002 (SCI-Expanded)

XIX. Persistent galvanomagnetic effects related to photo-quenching phenomena in lightly n-type LEC GaAs

Yildirim M., Tuzemen S., Gurbulak B., ATEŞ A., AYYILDIZ E.

PHYSICA SCRIPTA, vol.63, no.2, pp.169-172, 2001 (SCI-Expanded)

XX. The absorption properties of p-type TlIn_xGa(1-cursive greek chi)Se₂ and TlGaSe₂

GÜRBULAK B., YILDIRIM M., ATEŞ A., Tuzemen S., Yoğurtçu Y. K.

Turkish Journal of Physics, vol.24, no.1, pp.49-61, 2000 (SCI-Expanded)

XXI. In situ optical assessment of semi insulating iron doped InP grown by liquid encapsulated Czochralski process

Doğan S., TÜZEMEN S., GÜRBULAK B., YILDIRIM M., ATEŞ A.

JOURNAL OF APPLIED PHYSICS, vol.85, pp.6777-6781, 1999 (SCI-Expanded)

XXII. Anomalous behaviour of galvanomagnetic effects in very lightly n type bulk GaAs Possible role of reverse contrast centres

TÜZEMEN S., GÜRBULAK B., YILDIRIM M., Doğan S.

PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.174, pp.467-475, 1999 (SCI-Expanded)

XXIII. Anomalous behaviour of galvanomagnetic effects in very lightly n-type bulk GaAs: Possible role of reverse-contrast centres

TÜZEMEN S., GÜRBULAK B., YILDIRIM M., Doğan S.

PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.174, no.2, pp.467-475, 1999 (SCI-Expanded)

XXIV. In situ optical assessment of semi-insulating iron doped InP grown by liquid encapsulated Czochralski process

Doğan S., TÜZEMEN S., GÜRBULAK B., Ates A., Yildirim M.

JOURNAL OF APPLIED PHYSICS, vol.85, no.9, pp.6777-6781, 1999 (SCI-Expanded)

XXV. Magnetic studies on electrodeposited Cu₁ - XCox alloy films

Bakkaloğlu Ö., Karahan I., EFEOĞLU H., YILDIRIM M., ÇEVİK U., Yoğurtcu Y.

Journal of Magnetism and Magnetic Materials, vol.190, no.3, pp.193-198, 1998 (SCI-Expanded)

- XXVI. **Growth and optical properties of Ho doped n-type indium selenide**
 Gurbulak B., Yildirim M., Abay B., TÜZEMEN S., Alieva M., Yogurtcu Y.
 PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.168, no.2, pp.495-500, 1998 (SCI-Expanded)
- XXVII. **Growth and optical properties of Ho doped n type indium selenide**
 ABAY B., GÜRBULAK B., YILDIRIM M., TÜZEMEN S., YOĞURTÇU Y. K.
 PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.168, pp.495-500, 1998 (SCI-Expanded)
- XXVIII. **Growth and Optical Properties of Ho Doped n type InSe**
 GÜRBULAK B., YILDIRIM M., ABAY B., TÜZEMEN S., ALİEVA M., YOĞURTÇU Y. K.
 Physica Status Solidi A-Applications And Materials Science, vol.168, pp.495-500, 1998 (SCI-Expanded)
- XXIX. **Temperature dependence of galvanomagnetic properties for Er-doped and undoped n-type InSe**
 YILDIRIM M., GÜRBULAK B., ABAY B., EFEOĞLU H., TÜZEMEN S., YOĞURTÇU Y. K.
 JOURNAL OF APPLIED PHYSICS, vol.80, no.8, pp.4437-4441, 1996 (SCI-Expanded)
- XXX. **Electrothermal investigation of the switching effect in p-type TlInSe₂, TlInTe₂, and TlGaTe₂, chain chalcogenide semiconductors**
 Abay B., Gurbulak B., Yildirim M., Efeoglu H., Tuzemen S., YOĞURTÇU Y. K.
 JOURNAL OF ELECTRONIC MATERIALS, vol.25, no.7, pp.1054-1059, 1996 (SCI-Expanded)
- XXXI. **Temperature dependence of magnetoresistance in neutron-irradiated and unirradiated high resistivity p-type silicon**
 YILDIRIM M., EFEOĞLU H., ABAY B., YOĞURTÇU Y. K.
 PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.153, no.2, pp.473-480, 1996 (SCI-Expanded)
- XXXII. **Electrothermal investigation of the switching phenomena in p-type TlInSe₂ single crystals**
 Abay B., Gurbulak B., Yildirim M., Efeoglu H., YOĞURTÇU Y. K.
 PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.153, no.1, pp.145-151, 1996 (SCI-Expanded)
- XXXIII. **Interpreting the nonideal reverse bias C-V characteristics and importance of the dependence of Schottky barrier height on applied voltage**
 TURUT A., SAĞLAM M., EFEOĞLU H., Yıldırım N., YILDIRIM M., ABAY B.
 PHYSICA B-CONDENSED MATTER, vol.205, pp.41-50, 1995 (SCI-Expanded)
- XXXIV. **INTERPRETING THE NONIDEAL REVERSE BIAS C-V CHARACTERISTICS AND IMPORTANCE OF THE DEPENDENCE OF SCHOTTKY-BARRIER HEIGHT ON APPLIED VOLTAGE**
 TURUT A., SAĞLAM M., EFEOĞLU H., Yıldırım N., YILDIRIM M., ABAY B.
 PHYSICA B, vol.205, no.1, pp.41-50, 1995 (SCI-Expanded)
- XXXV. **Barrier height enhancement by annealing CrNiCo alloy Schottky contacts on LEC GaAs**
 Türüt A., Tüzemen S., YILDIRIM M., ABAY B., SAĞLAM M.
 Solid State Electronics, vol.35, no.10, pp.1423-1426, 1992 (SCI-Expanded)

Articles Published in Other Journals

- I. **Cobalt metal doped magnesium ferrite and zinc ferrite thin films grown by Spray Pyrolysis**
 Saritaş S., Ceviz Şakar B., Turgut E., Kundakçı M., Yıldırım M.
 MATERIALS TODAY : PROCEEDINGS, vol.2214, no.7853, pp.7025-7029, 2021 (Peer-Reviewed Journal)
- II. **Studies on the optical, structural and electrical properties of Sn and Sb doped magnesium ferrite ($Mg_xFe_{3-x}O_4$)**
 AKÇAY H., SARITAŞ S., KUNDAKÇI M., YILDIRIM M.
 American Instutite of Physics, vol.2042, 2018 (Peer-Reviewed Journal)
- III. **Copper-substituted spinel zinc ferrite and magnesium ferrite thin films grown by spray pyrolysis**
 SARITAŞ S., TURGUT E., CEVİZ ŞAKAR B., KUNDAKÇI M., YILDIRIM M.
 AMERICAN INSTUTITE OF PHYSICS, vol.2042, 2018 (Peer-Reviewed Journal)
- IV. **Determining Natural Radiation Level in River Water of Upper Euphrates (Karasu) Basin's Part Located in Erzincan Province Borders**
 YALÇIN P., KAVAZ M., YILDIRIM M., KAM E.

- Journal of Physical Science and Application, vol.8, pp.43-52, 2018 (Peer-Reviewed Journal)
- V. Zinc Ferrite Films Doped with Lanthanides for Gas Sensor Application
SARITAŞ S., TURGUT E., GÜRBULAK B., KUNDAKÇI M., YILDIRIM M.
Journal of Physical Chemistry and Functional Materials,, vol.1, pp.1-8, 2018 (Peer-Reviewed Journal)
- VI. Alteration Of The Electrical And Magnetic Properties of Iron Oxide By Zn, Co and Zn, Ni Codoped
ISSN: 2456-1851 Volume:02, Issue:06 2017
Sarıtaş S., Turgut E., Kundakçı M., Gürbulak B., Yıldırım M.
International Journal of Engineering Technology and Scientific Innovation, vol.02, no.06, pp.725-742, 2017 (Peer-Reviewed Journal)
- VII. Synthesis and Characterization of Transition Metal Co-Doped ZnO AND MgO Diluted Magnetic Semiconductor Films Prepared By Chemical Spray Pyrolysis Method, , Uot 539.2538.9-405548, Pacs: 61.50-F, Volume 1, Number 1 Pages 39-46, 2017
SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., ALİEVA M., YILDIRIM M.
Journal of Baku Engineering University-Physics, 2017 (Peer-Reviewed Journal)
- VIII. Alteration Of The Electrical And Magnetic Properties Of Iron Oxide By Zn, Co And Zn, Ni Codoped
SARITAŞ S., TURGUT E., KUNDAKÇI M., GÜRBULAK B., YILDIRIM M.
International Journal of Engineering Technology and Scientific Innovation, vol.6, no.2, pp.1-13, 2017 (Scopus)
- IX. Co: Fe₂O₃, Co_xZn_{1-x}Fe₂O₄ Thin Films Grown by Chemical Spray Pyrolysis for Gas Sensor
SARITAŞ S., KUNDAKÇI M., ÇOBAN Ö., YILDIRIM M.
International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, vol.6, no.7, pp.1-11, 2017 (Scopus)
- X. Synthesis and Characterizaiton of Transition Metal Co-Doped ZnO and MGo Diluted Magnetic Semiconductor Films Prepared Chemical Spray Pyrolysis Method,
SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., Aliyeva M., YILDIRIM M.
Journal of Baku Engineering University-Physics, 2017 (Peer-Reviewed Journal)
- XI. Electrical characterization of In/p-GaSe:Cd/Au-Ge single crystal grown by Bridgman/Stockbarger method.
GÜRBULAK B., YILDIRIM M., DUMAN S., ŞATA M., ASHKHASİ A.
IAP, 2017 (Peer-Reviewed Journal)
- XII. Synthesis and Characterization of Transition Metal Co Doped ZnO and MgO Dlluted Magnetic Semiconductor Films Prepared by Chemical Spray Pyrolysis Method
SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., ALİEVA M., YILDIRIM M.
Jounal of Baku Engineering, 2017 (Peer-Reviewed Journal)
- XIII. Compared with a-Fe₂O₃ and ZnxFe_{3-X}O₄ Thin Films Grown by Chemical Spray Pyrolysis
Sarıtaş S., Turgut E., Kundakçı M., Gürbulak B., Yıldırım M.
International Journal of Sensor Networks and Data Communications, vol.6, pp.1-7, 2017 (Peer-Reviewed Journal)
- XIV. Urbach s Rule and Optical Properties for TiIGaS₂
ATEŞ A., GÜRBULAK B., YILDIRIM M., DOĞAN S., DUMAN S., YILDIRIM T., TÜZEMEN S.
Turkish Journal of Physics, 2002 (Scopus)
- XV. Urbach s Rule and Optical Properties for TiGaS₂
ATEŞ A., GÜRBULAK B., YILDIRIM M., DOĞAN S., YILDIRIM T., DUMAN S., TÜZEMEN S.
Turk J Phys, vol.26, pp.127-131, 2002 (Peer-Reviewed Journal)
- XVI. Optical Absorption and Photoluminescence Measurements in InP and InP Fe Bulk Crystals and Inspection of the Relations Between these Measurements
DOĞAN S., TÜZEMEN S., GÜRBULAK B., ATEŞ A., YILDIRIM M.
Turkish Journal of Physics, vol.25, pp.551-556, 2001 (Scopus)
- XVII. Magnetization Measurements on Electrodeposited Cu_{1-x}CoxAlloy Films 25 451 454 2001
BAKKALOĞLU Ö. F., KARAHAN İ. H., EFEOĞLU H., YILDIRIM M., ÇEVİK U., YOĞURTÇU Y. K.
Türk J. Phys, vol.25, pp.451-454, 2001 (Peer-Reviewed Journal)
- XVIII. Temperature Dependence of Electrical and Optical Properties for Er Doped and Undoped n-type InSe
GÜRBULAK B., Doğan S., Aytunç A., ABAY B., CEVDET C., YILDIRIM M., TÜZEMEN S., YOĞURTÇU Y. K.

Books & Book Chapters

- I. **Bölüm 3.8 DEĞİŞEN ELEKTRİK VE MANYETİK ALANLAR İNDÜKSİYON**
YILDIRIM M.
in: Mühendisler ve Fen Bilimciler için FİZİK ELEKTRİK ve MANYETİZMA, Prof. Dr. Yusuf ŞAHİN, Prof. Dr. Muhammed YILDIRIM, Editor, Geçit Matbaacılık ve Yayıncılık San. Tic., Erzurum, pp.221-260, 2020
- II. **MÜHENDİSLER VE FEN BİLİMCİLER İÇİN FİZİK 1. CILT SORULARI VE ÇÖZÜMLERİ**
GÜROL A., YILMAZ D., BOYDAŞ E., YILDIRIM M., DUMAN S., ŞAHİN Y., GÜRBULAK B., TURGUT G.
Atatürk Üniversitesi Yayınları No: 1233, Erzurum, 2019
- III. **Fen ve Mühendisler için Fizik I. Cilt Soruları ve Çözümleri**
ŞAHİN Y., YILDIRIM M., GÜRBULAK B., GÜROL A., YILMAZ D., BOYDAŞ E., DUMAN S., TURGUT G.
Atatürk Üniversitesi Yayın Koordinatörlüğü, Erzurum, 2019
- IV. **Mühendisler ve fen bilimciler için fizik 1.cilt soruları ve çözümleri**
GÜROL A., BOYDAŞ E., YILMAZ D., YILDIRIM M., DUMAN S., TURGUT G., GÜRBULAK B., ŞAHİN Y.
Atatürk Üni Yayınları No:1233, Erzurum, 2019
- V. **3. Bölüm ve 4. Bölüm**
GÜRBULAK B., TURGUT G., DUMAN S., YILDIRIM M., ŞAHİN Y., GÜROL A., YILMAZ D., BOYDAŞ E.
in: Mühendislik ve Fen Bilimciler iöin Fizik 1. cilt, Yusuf ŞAHİN, Muhammet YILDIRIM, Editor, Korza Yayıncılık Bilim San. ve Tic. A.Ş, Erzurum, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Cobalt metal doped magnesium ferrite and zinc ferrite thin films grown by Spray Pyrolysis**
Turgut E., Yıldırım M., Saritaş S., Ceviz Şakar B., Kundaklı M.
2nd International Congress on Semiconductor Materials and Devices (ICSM), Ardahan, Turkey, 28 - 30 August 2018, vol.46, pp.7025-7029
- II. **Cobalt metal doped magnesium ferrite and zinc ferrite thin films grown by Spray Pyrolysis**
Saritaş S., Ceviz Şakar B., Turgut E., Kundaklı M., Yıldırım M.
2nd International Congress on Semiconductor Materials and Devices, ICSMD 2018, Ardahan, Turkey, 28 - 30 August 2018, vol.46, pp.7025-7029
- III. **Analysis of magnesium ferrite and nickel doped magnesium ferrite thin films grown by Spray Pyrolysis**
SARITAŞ S., Sakar B., KUNDAKÇI M., GÜRBULAK B., YILDIRIM M.
2nd International Congress on Semiconductor Materials and Devices, ICSMD 2018, Ardahan, Turkey, 28 - 30 August 2018, vol.46, pp.6920-6923
- IV. **INVESTIGATION OF STRUCTURAL, OPTICAL AND GAS SENSOR PROPERTIES OF AS-DEPOSITED AND ZİRCONİUM (Zr) DOPED NiO**
TURGUT E., sevda s., YILDIRIM M., GÜR E.
HOCA AHMET YESEVİ 2nd INTERNATIONAL SCIENTİFİC RESEARCH CONGRESS 06-08 December 2019, ERZURUM, 6 - 08 December 2019, pp.464-471
- V. **COMPARISON OF THE AS DEPOSITED NICR204: 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
- VI. **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

TURGUT E., sevda s., GÜR E., YILDIRIM M., YEŞİLYAPRAK C.

PCFM 2019 Kapadokya, 25 July - 27 September 2019, pp.45-51

- VII. **Comparison of the as deposited NiCr204:Al and NiO:AlThin Films Together withDevices Grown By Radio Frequency Sputtering Technique**

SARITAŞ S., TURGUT E., YILDIRIM M., GÜR E.

3rd International Conference on AdvancedEngineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.1221-1225

- VIII. **DETERMINATION OF THE STRUCTURAL PROPERTIES OF NiCr204 AND Ti DOPPED NiCr204 THIN FILMS GROWN BY RADIO FREQUENCY SPUTTERİNG TECHNIQUE (RF) AND GAS SENSOR APPLICATION**

TURGUT E., GÜR E., YILDIRIM M., SARITAŞ S.

3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.186-192

- IX. **Determination of the Structural Properties of NiCr204 and Ti Dopped NiCr204 Thin Films Grown byRadio Frequency Sputtering Technique (RF) and Gas Sensor Application**

TURGUT E., SARITAŞ S., YILDIRIM M., GÜR E.

3rd International Conference on AdvancedEngineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.1226-1229

- X. **COMPARISON OF THE AS DEPOSITED NICR 2 O 4: ZN AND NIO:ZNTHIN FILMS TOGETHER WITH DEVICES GROWN BY RADIOFREQUENCY SPUTTERING TECHNIQUE**

TURGUT E., SARITAŞ S., YILDIRIM M., GÜR E.

2. ULUSLARARASI MARDİN ARTUKLU BİLİMSEL ARAŞTIRMALAR KONGRESİ, Mardin, Turkey, 23 - 25 August 2019, pp.230-234

- XI. **INVESTIGATION OF GAS SENSOR PROPERTIES OF AS-DEPOSITEDAND Al, Zn DOPED NiCr204**

SARITAŞ S., TURGUT E., YILDIRIM M., GÜR E.

2. ULUSLARARASI MARDİN ARTUKLUBİLİMSEL ARAŞTIRMALAR KONGRESİ, Mardin, Turkey, 23 - 25 August 2019, pp.331-338

- XII. **INVESTIGATION OF GAS SENSOR PROPERTIES OF AS-DEPOSITED AND Al, Zn DOPED NiCr204**

TURGUT E., GÜR E., YILDIRIM M., SARITAŞ S.

MARDİN ARTUKLU INTERNATIONAL SCIENTIFIC RESEARCH CONGRESS, Mardin, Turkey, 23 - 25 August 2019, pp.331-338

- XIII. **DETERMINATION OF THE STRUCTURAL PROPERTIES OF NiO AND Al AND Zn DOPPED NiO THIN FILMS GROWN BY RADIO FREQUENCY SPURTERİNG TECHNIQUE (RF) AND APPLICATION OF GAS SENSOR**

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