

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, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Fizik, 1992

Postgraduate, NÖTRONLARLA IŞINLAMANIN VE SU VERMENİN P-TİPİ SİLİSYUMUN ÖZDİRENCİ VE TAŞIYICI YOĞUNLUĞU ÜZERİN ETKİLERİ, Atatürk 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

Atatürk 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
Kathal 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. **Optical, structural, morphological, and gas sensing properties of Mg-doped α -Fe₂O₃ thin films deposited by RF and DC magnetron Co-sputtering technique**
SARITAŞ S., Muğlu G. M., TURGUT E., KUNDAKÇI M., YILDIRIM M., Senay V.
PHYSICA B-CONDENSED MATTER, vol.677, 2024 (SCI-Expanded)
- II. **Investigation of Optical, Structural and Electrical Properties of Heterostructure Fe₂O₃ Deposited by RF Magnetron Sputtering on ZnO Layer by Spray Pyrolysis**
Saritaş S., Çakıcı T., Merhan Muğlu G., Yıldırım M.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.1, pp.1200-1215, 2022 (SCI-Expanded)
- III. **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)
- IV. **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)
- V. **Oxygen partial pressure effects on the RF sputtered p-type NiO hydrogen gas sensors**
Turgut E., Çoban Ö., Saritaş S., Tüzemen S., Yıldırım M., Gür E.
Applied Surface Science, vol.435, pp.880-885, 2018 (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. **Exciting transition metal doped dilute magnetic thin films: MgO: Er and ZnO: Er**
ÇAKICI T., SARITAŞ S., GÜNAY M. M., YILDIRIM M.
FRONTIERS OF FUNDAMENTAL AND COMPUTATIONAL PHYSICS, vol.1, no.1815, pp.500021-500024, 2017 (SCI-Expanded)
- VIII. **ALTERATION OF THE ELECTRICAL AND MAGNETIC PROPERTIES OF IRON OXIDE BY Zn, Co AND Zn, Ni CODOPED**
Saritaş S., TURGUT E., GÜRBULAK B., YILDIRIM M.
International Journal of Engineering Technology and Scientific Innovation, vol.2, no.06, pp.725-742, 2017 (SCI-Expanded)
- IX. **Conversion of SILAR deposited Cu₃Se₂ thin films to Cu_{2-x}Se by annealing**
ASTAM A., AKALTUN Y., YILDIRIM M.
MATERIALS LETTERS, vol.166, pp.9-11, 2016 (SCI-Expanded)
- X. **Zinc concentration effect on structural, optical and electrical properties of Cd_{1-x}Zn_xSe thin films**
AKALTUN Y., YILDIRIM M. A., ATEŞ A., YILDIRIM M.

MATERIALS RESEARCH BULLETIN, vol.47, no.11, pp.3390-3396, 2012 (SCI-Expanded)

- XI. **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)
- XII. **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)
- XIII. **Annealing and light effect on optical and electrical properties of evaporated indium selenide thin films**
Ateş A., KUNDAKÇI M., Astam A., YILDIRIM M.
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, vol.40, no.8, pp.2709-2713, 2008 (SCI-Expanded)
- XIV. **Urbach tail and electric field influence on optical properties of InSe and InSe:Er single crystals**
KUNDAKÇI M., GURBULAK B., DOĞAN S., ATEŞ A., YILDIRIM M.
Applied Physics A: Materials Science and Processing, vol.90, no.3, pp.479-485, 2008 (SCI-Expanded)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **Convertibility of conductivity type in reactively sputtered ZnO thin films**
Tuzemen S., Dogan S., ATEŞ A., Yildirim M., XIIONG G., WILKINSON J., WILLIAMS R.
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH, vol.195, no.1, pp.165-170, 2003 (SCI-Expanded)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)
- XXIV. **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)
- XXV. **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)

- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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., Yalçın N., YILDIRIM M., ABAY B.
PHYSICA B-CONDENSED MATTER, vol.205, pp.41-50, 1995 (SCI-Expanded)
- XXXVI. **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., Yalçın N., YILDIRIM M., ABAY B.
PHYSICA B, vol.205, no.1, pp.41-50, 1995 (SCI-Expanded)
- XXXVII. **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., Yildirim 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 (MgxFe3-xO4)**
AKÇAY H., SARITAŞ S., KUNDAKÇI M., YILDIRIM M.
American Institute 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 INSTITUTE 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
Saritaş S., Turgut E., Kundakçi 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. **Co: Fe2O3, CoxZn1-xFe2O4 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)
- IX. **Synthesis and Characterization of Transition Metal Co-Doped ZnO and MgO Diluted Magnetic Semiconductor Films Prepared Chemical Spray Pyrolysis Method,**
SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., ALİEVA M., YILDIRIM M.
Journal of Baku Engineering University-Physics, 2017 (Peer-Reviewed Journal)
- X. **Electrical characterization of In/p-GaSe: Cd/Au-Ge single crystal grown by Bridgman/Stockbarger method.**
GÜRBULAK B., YILDIRIM M., DUMAN S., ŞATA M., ASHKHASI A.
IAP, 2017 (Peer-Reviewed Journal)
- XI. **Compared with a-Fe2O3 and ZnxCoxFe3-xO4 Thin Films Grown by Chemical Spray Pyrolysis**
Saritaş S., Turgut E., Kundakçi M., Gürbulak B., Yıldırım M.
International Journal of Sensor Networks and Data Communications, vol.6, pp.1-7, 2017 (Peer-Reviewed Journal)
- XII. **Synthesis and Characterization of Transition Metal Co Doped ZnO and MgO Diluted Magnetic Semiconductor Films Prepared by Chemical Spray Pyrolysis Method**
SARITAŞ S., GÜRBULAK B., KUNDAKÇI M., ALİEVA M., YILDIRIM M.
Journal of Baku Engineering, 2017 (Peer-Reviewed Journal)
- XIII. **Urbach s Rule and Optical Properties for TlGaS2**
ATEŞ A., GÜRBULAK B., YILDIRIM M., DOĞAN S., DUMAN S., YILDIRIM T., TÜZEMEN S.
Turkish Journal of Physics, 2002 (Scopus)
- XIV. **Urbach s Rule and Optical Properties for TlGaS2**
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)
- XV. **Magnetization Measurements on Electrodeposited Cu1-xCoxAlloy Films 25 451 454 2001**
BAKKALOĞLU Ö. F., KARAHAN İ. H., EFEĞLU H., YILDIRIM M., ÇEVİK U., YOĞURTÇU Y. K.

Türk J. Phys, vol.25, pp.451-454, 2001 (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. 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.

Balkan Physics Letters, vol.5, no.4, pp.2585-2588, 1997 (Peer-Reviewed Journal)

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. CİLT 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 için Fizik 1. cilt, Yusuf ŞAHİN, Muhammed 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., Sarıtaş S., Ceviz Şakar B., Kundakçı M.

2nd International Congress on Semiconductor Materials and Devices (ICSMD), 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

Sarıtaş S., Ceviz Şakar B., Turgut E., Kundakçı 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 ZIRCONIUM (Zr) DOPED NiO

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

HOCA AHMET YESEVİ 2nd INTERNATIONAL SCIENTIFIC RESEARCH CONGRESS 06-08 December 2019, ERZURUM, 6 - 08 December 2019, pp.464-471

- V. **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
- VI. **DETERMINATION OF THE STRUCTURAL PROPERTIES OF NiO AND Al AND Zn DOPPED NiO THIN FILMS GROWN BY RADIO FREQUENCY SPUTTERING 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 NiCr2O4:Al and NiO:Al Thin Films Together with Devices Grown By Radio Frequency Sputtering Technique**
SARITAŞ S., TURGUT E., YILDIRIM M., GÜR E.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.1221-1225
- VIII. **DETERMINATION OF THE STRUCTURAL PROPERTIES OF NiCr2O4 AND Ti DOPPED NiCr2O4 THIN FILMS GROWN BY RADIO FREQUENCY SPUTTERING 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 NiCr2O4 and Ti Doped NiCr2O4 Thin Films Grown by Radio Frequency Sputtering Technique (RF) and Gas Sensor Application**
TURGUT E., SARITAŞ S., YILDIRIM M., GÜR E.
3rd International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 19 - 21 September 2019, pp.1226-1229
- X. **COMPARISON OF THE AS DEPOSITED NiCr2O4: ZN AND NiO:ZN THIN FILMS TOGETHER WITH DEVICES GROWN BY RADIO FREQUENCY 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-DEPOSITED AND Al, Zn DOPED NiCr2O4**
SARITAŞ S., TURGUT E., YILDIRIM M., GÜR E.
2. ULUSLARARASI MARDİN ARTUKLU BİLİMSEL ARAŞTIRMALAR KONGRESİ, Mardin, Turkey, 23 - 25 August 2019, pp.331-338
- XII. **INVESTIGATION OF GAS SENSOR PROPERTIES OF AS-DEPOSITED AND Al, Zn DOPED NiCr2O4**
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Non Academic Experience

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