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Personal Information

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Address: Recep Tayyip Erdoğan Üniversitesi Fen Edebiyat Fakültesi Fizik Bölümü Rize Merkez



Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2003 - 2008

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik, Turkey 2001 - 2003

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Fizik, Turkey 1996 - 2000

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Other, Fizik ve Yenilikçi Teknolojiler Çalıştayı, Recep Tayyip Erdoğan Üniversitesi, 2014

Education Management and Planning, English Course, EF International Language Centres, 2014

Education Management and Planning, Low Temperature PL/PLE/TR System, DongWoo Optron Co., Ltd., 2014

Education Management and Planning, MATLAB Fundamentals, FİGES, Computer Simulation in Physics and Geometry A.S, 2010

Education Management and Planning, Yoğun Madde Fiziği Çalıştayı, TÜBİTAK Feza Gürsey Enstitüsü, 2004

Dissertations

Doctorate, CdS İnce Film Örneklerinin Soğuk Altık Üzerinde Üretilmesi, Yapısal, Elektriksel ve Optik Özelliklerinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik, 2008

Postgraduate, Kimyasal Püskürtme Yöntemiyle Elde Edilen Cd_{1-x}Zn_xS İnce Filmlerinin Bazı Yapısal, Elektriksel ve Optik Özelliklerinin İncelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Fizik, 2003

Research Areas

Physics, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Surfaces, Interfaces, Thin Films and Nanosystems, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Magnetic Properties and Materials, Optical Properties, Spectroscopy of Matter, Natural Sciences

Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2018 - Continues
Associate Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2013 - 2018
Assistant Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2009 - 2013
Research Assistant PhD, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2008 - 2009
Research Assistant, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2006 - 2008
Research Assistant, Karadeniz Technical University, Rize Fen-Edebiyat Fakültesi, Fizik, 2000 - 2006

Academic and Administrative Experience

Dean, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2021 - Continues
Head of Department, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2020 - Continues
Recep Tayyip Erdogan University, Dış Hekimliği Fakültesi, 2019 - Continues
Head of Department, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2013 - Continues
Director of The Institution, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Fizik Bölümü, 2020 - 2021
Head of Department, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, İş Sağlığı Ve Güvenliği, 2019 - 2020
Recep Tayyip Erdogan University, Fen-Edebiyat Fakültesi, 2013 - 2018
Recep Tayyip Erdogan University, Fen-Edebiyat Fakültesi, 2009 - 2012
Erasmus Coordinator, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, 2011 - 2011
Recep Tayyip Erdogan University, Fen-Edebiyat Fakültesi, 2011 - 2011
Recep Tayyip Erdogan University, Fen-Edebiyat Fakültesi, Fizik, 2011 - 2011

Courses

Modern Fizik Laboratuvarı, Undergraduate, 2020 - 2021
Astronomy, Undergraduate, 2020 - 2021
Yarıiletken Aygıtların Fiziği, Postgraduate, 2020 - 2021
Optic and Waves, Undergraduate, 2020 - 2021
Semiconductor Materials and Device Characterization, Postgraduate, 2020 - 2021
Advanced Semiconductor Physics, Postgraduate, 2020 - 2021

Advising Theses

TOMAKİN M., Levitasyon Uygulamaları için YBCO tek kristal süperiletkenlerin üretimi ve karakterizasyonu, Doctorate, S.Barış(Student), 2017
TOMAKİN M., Katkılı boya duyarlı güneş pillerinin elektronik özelliklerinin hesaplanması, Postgraduate, A.Kara(Student), 2014
TOMAKİN M., Kimyasal banyo yöntemiyle elde edilen Cd_{1-x}CoxS ince filmlerin bazı yapısal, elektriksel ve optik özelliklerinin incelenmesi, Postgraduate, Y.Öncel(Student), 2014

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Hybrid transparent conductive electrode structure for solar cell application**
Altuntepe A., Olgar M. A. , Erkan S., Hasret O., Kececi A. E. , Kokbudak G., TOMAKİN M., Seyhan A., TURAN R., Zan R.
RENEWABLE ENERGY, vol.180, pp.178-185, 2021 (Journal Indexed in SCI)
- II. **Impact of in/ex situ annealing and reaction temperature on structural, optical and electrical properties of SnS thin films**

Olgar M. A. , Ciri A., TOMAKİN M., Zan R.

JOURNAL OF MOLECULAR STRUCTURE, vol.1241, 2021 (Journal Indexed in SCI)

- III. **Effect of CdS and CdSe pre-treatment on interdiffusion with CdTe in CdS/CdTe and CdSe/CdTe heterostructures**
Çiriş A., Başol B. M. , Atasoy Y., Küçükömeroğlu T., Karaca A., Tomakin M., Bacaksız E.
Materials Science in Semiconductor Processing, vol.128, 2021 (Journal Indexed in SCI)
- IV. **Processing CdS- and CdSe-containing window layers for CdTe solar cells**
Ciris A., Basol B. M. , Atasoy Y., Karaca A., Tomakin M., Kucukomeroglu T., Bacaksiz E.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.54, no.21, 2021 (Journal Indexed in SCI)
- V. **Deposition of CdSeTe alloys using CdTe-CdSe mixed powder source material in a close-space sublimation process**
Ciris A., Basol B. M. , Atasoy Y., KARACA A., Kuckomeroglu T., TOMAKİN M., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.7, pp.9685-9693, 2021 (Journal Indexed in SCI)
- VI. **Phase transformation in Cu₂SnS₃ (CTS) thin films through pre-treatment in sulfur atmosphere**
Olgar M. A. , Basol B. M. , TOMAKİN M., Bacaksiz E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.32, no.8, pp.10018-10027, 2021 (Journal Indexed in SCI)
- VII. **The investigation of stability of n-CdS/p-Cu₂S solar cells prepared by cold substrate method**
MANIR M., NEVRUZOĞLU V., TOMAKİN M.
SEMICONDUCTOR SCIENCE AND TECHNOLOGY, vol.36, no.3, 2021 (Journal Indexed in SCI)
- VIII. **Structural, morphological, optical analyses of Ni-doped CdS thin films and their photovoltaic performance in hybrid solar cells**
Yilmaz S., Tomakin M., Unverdi A., Aydin A., POLAT İ., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.31, no.15, pp.12932-12942, 2020 (Journal Indexed in SCI)
- IX. **Transparent and conductive CdS:Ca thin films for optoelectronic applications**
Yilmaz S., POLAT İ., Tomakin M., BACAKSIZ E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.126, no.7, 2020 (Journal Indexed in SCI)
- X. **Use of the Cold Substrate Method for Biomaterials: The Structural and Biological Properties of the Ag Layers Deposited on Ti-6Al-4V**
DUYMUS Z., NOVRUZOGLU V., ATOS S. M. , YUZUAK E., Tomakin M.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.29, no.5, pp.2909-2919, 2020 (Journal Indexed in SCI)
- XI. **Cold substrate method to prepare plasmonic Ag nanoparticle: deposition, characterization, application in solar cell**
NEVRUZOGLU V., BAL ALTUNTAS D., Tomakin M.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.126, no.4, 2020 (Journal Indexed in SCI)
- XII. **Growth and characterization of Cu₂SnS₃ (CTS), Cu₂SnSe₃ (CTSe), and Cu₂Sn(S,Se)₃ (CTSSe) thin films using dip-coated Cu-Sn precursor**
Bayazit T., OLGAR M. A. , KÜÇÜKÖMEROĞLU T., BACAKSIZ E., Tomakin M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, no.13, pp.12612-12618, 2019 (Journal Indexed in SCI)
- XIII. **Improved optical transparency of calcium-doped ZnO thin films**
POLAT İ., YILMAZ S., Tomakin M., BACAKSIZ E.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.13, pp.326-332, 2019 (Journal Indexed in SCI)
- XIV. **Growth of Cu₂ZnSnS₄ (CZTS) thin films using short sulfurization periods**
OLGAR M. A. , Tomakin M., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
MATERIALS RESEARCH EXPRESS, vol.6, no.5, 2019 (Journal Indexed in SCI)
- XV. **Fabrication and characterization of Au/n-ZnO/p-Si/Al sandwich device with Sol-gel spin coating**

method

Keskenler E. F. , KESKENLER M. F. , Tomakin M., Nevruzoglu V.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, no.6, pp.6082-6087, 2019 (Journal Indexed in SCI)

- XVI. **Determination of optimum Er-doping level to get high transparent and low resistive Cd_{1-x}Er_xS thin films**
YILMAZ S., POLAT İ., Tomakin M., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.30, no.6, pp.5662-5669, 2019 (Journal Indexed in SCI)
- XVII. **Alloying and phase transformation in CdS/CdSe bilayers annealed with or without CdCl₂**
Ciris A., BASOL B. M. , YILMAZ S., Atasoy Y., Tomakin M., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.91, pp.90-96, 2019 (Journal Indexed in SCI)
- XVIII. **CZTS layers formed under sulfur-limited conditions at above atmospheric pressure**
Olgar M. A. , BACAKSIZ E., Tomakin M., KÜÇÜKÖMEROĞLU T., Basol B. M.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.90, pp.101-106, 2019 (Journal Indexed in SCI)
- XIX. **Surface modification of CBD-grown CdS thin films for hybrid solar cell applications**
YILMAZ S., UNVERDI A., Tomakin M., POLAT İ., BACAKSIZ E.
OPTIK, vol.185, pp.256-263, 2019 (Journal Indexed in SCI)
- XX. **A research on growth and characterization of CdS:Eu thin films**
YILMAZ S., POLAT İ., Tomakin M., BACAKSIZ E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, no.1, 2019 (Journal Indexed in SCI)
- XXI. **Influence of pre-annealing Cu-Sn on the structural properties of CZTSe thin films grown by a two-stage process**
OLGAR M. A. , BASOL B. M. , Tomakin M., SEYHAN A., BACAKSIZ E.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.88, pp.234-238, 2018 (Journal Indexed in SCI)
- XXII. **Optical and electrical optimization of dysprosium-doped CdS thin films**
YILMAZ S., POLAT İ., Tomakin M., TORELI S. B. , KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.17, pp.14774-14782, 2018 (Journal Indexed in SCI)
- XXIII. **Sm-doped CdS thin films prepared by spray pyrolysis: a structural, optical, and electrical examination**
YILMAZ S., POLAT İ., Tomakin M., KÜÇÜKÖMEROĞLU T., TORELI S. B. , BACAKSIZ E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.124, no.7, 2018 (Journal Indexed in SCI)
- XXIV. **Cu(In,Ga)(Se,Te)₂ films formed on metal foil substrates by a two-stage process employing electrodeposition and evaporation**
Atasoy Y., BASOL B. M. , Olgar M. A. , Tomakin M., BACAKSIZ E.
THIN SOLID FILMS, vol.649, pp.30-37, 2018 (Journal Indexed in SCI)
- XXV. **Role of the radio frequency magnetron sputtered seed layer properties on ultrasonic spray pyrolyzed ZnO thin films**
Tomakin M., Onuk Z., RUJISAMPHAN N., Shah S. I.
THIN SOLID FILMS, vol.642, pp.163-168, 2017 (Journal Indexed in SCI)
- XXVI. **Effects of Na doping on CdS thin films and n-CdS/p-Si solar cells via chemical bath deposition method**
NEVRUZOGLU V., Tomakin M., Keskenler E. F. , Öztürk G.
JOURNAL OF CERAMIC PROCESSING RESEARCH, vol.18, no.7, pp.494-500, 2017 (Journal Indexed in SCI)
- XXVII. **The investigation of magnetic levitation performances of single grain YBCO at different temperatures**
Guner S. B. , Celik S., Tomakin M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.705, pp.247-252, 2017 (Journal Indexed in SCI)
- XXVIII. **Enhancement in the optical and electrical properties of CdS thin films through Ga and K co-doping**
YILMAZ S., TORELI S. B. , POLAT İ., Olgar M. A. , Tomakin M., BACAKSIZ E.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.60, pp.45-52, 2017 (Journal Indexed in SCI)

- XXIX. **Effect of heat treating metallic constituents on the properties of Cu₂ZnSnSe₄ thin films formed by a two-stage process**
Olgar M. A. , BASOL B. M. , Atasoy Y., Tomakin M., Aygun G., Ozyuzer L., BACAŞIZ E.
THIN SOLID FILMS, vol.624, pp.167-174, 2017 (Journal Indexed in SCI)
- XXX. **Controllable growth and characterization of highly aligned ZnO nanocolumnar thin films**
ONUĞ Z., RUJISAMPHAN N., Murray R., Bah M., Tomakin M., Shah S. I.
APPLIED SURFACE SCIENCE, vol.396, pp.1458-1465, 2017 (Journal Indexed in SCI)
- XXXI. **Physical properties of CdS:Ga thin films synthesized by spray pyrolysis technique**
YILMAZ S., POLAT İ., Olgar M. A. , Tomakin M., TORELİ S. B. , BACAŞIZ E.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.28, no.4, pp.3191-3199, 2017 (Journal Indexed in SCI)
- XXXII. **Influence of copper composition and reaction temperature on the properties of CZTSe thin films**
Olgar M. A. , Atasoy Y., BASOL B. M. , Tomakin M., Aygun G., Ozyuzer L., BACAŞIZ E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.682, pp.610-617, 2016 (Journal Indexed in SCI)
- XXXIII. **Improving the stability of solar cells using metal-organic frameworks**
NEVRUZOĞLU V., DEMİR S., Karaca G., Tomakin M., BILGİN N., YILMAZ F.
JOURNAL OF MATERIALS CHEMISTRY A, vol.4, no.20, pp.7930-7935, 2016 (Journal Indexed in SCI)
- XXXIV. **Comparative studies of CdS, CdS:Al, CdS:Na and CdS:(Al-Na) thin films prepared by spray pyrolysis**
YILMAZ S., Atasoy Y., Tomakin M., BACAŞIZ E.
SUPERLATTICES AND MICROSTRUCTURES, vol.88, pp.299-307, 2015 (Journal Indexed in SCI)
- XXXV. **Cu(In,Ga)(Se,Te)(2) pentenary thin films formed by reaction of precursor layers**
Atasoy Y., Basol B. M. , POLAT İ., Tomakin M., PARLAK M., BACAŞIZ E.
THIN SOLID FILMS, vol.592, pp.189-194, 2015 (Journal Indexed in SCI)
- XXXVI. **Investigation of Cd_{1-x}CoxS diluted magnetic semiconductor thin films fabricated by chemical bath deposition method**
Tomakin M., ONCEL Y., Keskenler E. F. , NEVRUZOĞLU V., ONUĞ Z., Gorur O.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.616, pp.166-172, 2014 (Journal Indexed in SCI)
- XXXVII. **Synthesis and fabrication of Mg-doped ZnO-based dye-synthesized solar cells**
POLAT İ., YILMAZ S., BACAŞIZ E., Atasoy Y., Tomakin M.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.25, no.7, pp.3173-3178, 2014 (Journal Indexed in SCI)
- XXXVIII. **Effects of ultraviolet light on B-doped CdS thin films prepared by spray pyrolysis method using perfume atomizer**
NOVRUZOĞLU V. D. , KESKENLER E. F. , Tomakin M., Kahraman S., Gorur O.
APPLIED SURFACE SCIENCE, vol.280, pp.318-324, 2013 (Journal Indexed in SCI)
- XXXIX. **Growth and characterization of Ag/n-ZnO/p-Si/Al heterojunction diode by sol-gel spin technique**
KESKENLER E. F. , Tomakin M., Dogan S., Turgut G., AYDIN S., Duman S., GÜRBÜLAK B.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.550, pp.129-132, 2013 (Journal Indexed in SCI)
- XL. **Structural and optical properties of ZnO and Al-doped ZnO microrods obtained by spray pyrolysis method using different solvents**
Tomakin M.
SUPERLATTICES AND MICROSTRUCTURES, vol.51, no.3, pp.372-380, 2012 (Journal Indexed in SCI)
- XLI. **Current transport mechanism in CdS thin films prepared by vacuum evaporation method at substrate temperatures below room temperature**
TOMAKIN M., Altunbas M., BACAŞIZ E., CELİK S.
THIN SOLID FILMS, vol.520, no.7, pp.2532-2536, 2012 (Journal Indexed in SCI)
- XLII. **The influence of substrate temperature on electrical properties of Cu/CdS/SnO₂ Schottky diode**
TOMAKIN M., Altunbas M., BACAŞIZ E.
PHYSICA B-CONDENSED MATTER, vol.406, no.23, pp.4355-4360, 2011 (Journal Indexed in SCI)
- XLIII. **Preparation and characterization of new window material CdS thin films at low substrate temperature (< 300 K) with vacuum deposition**

- TOMAKİN M., Altunbas M., BACAŞIZ E., POLAT İ.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.14, no.2, pp.120-127, 2011 (Journal Indexed in SCI)
- XLIV. **CdTe thin film solar cells prepared by a low-temperature deposition method**
NOVRUZOV V. D. , FATHI N. M. , GORUR O., TOMAKİN M., BAYRAMOV A. I. , SCHORR S., MAMEDOV N.
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.207, no.3, pp.730-733, 2010 (Journal Indexed in SCI)
- XLV. **The influence of substrate temperature on the morphology, optical and electrical properties of thermal-evaporated ZnTe Thin Films**
BACAŞIZ E., Aksu S., Ozer N., TOMAKİN M., ÖZÇELİK A. E.
APPLIED SURFACE SCIENCE, vol.256, no.5, pp.1566-1572, 2009 (Journal Indexed in SCI)
- XLVI. **Structural characterization of Zn_{1-x}Cd_xO (0 ≤ x ≤ 0.20) microrods grown by spray pyrolysis**
BACAŞIZ E., Altunbas M., Ozcelik S., Oltulu O., TOMAKİN M., YILMAZ Ş.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.12, no.3, pp.118-121, 2009 (Journal Indexed in SCI)
- XLVII. **The effects of zinc nitrate, zinc acetate and zinc chloride precursors on investigation of structural and optical properties of ZnO thin films**
BACAŞIZ E., PARLAK M., TOMAKİN M., Ozcelik A., Karakiz M., Altunbas M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.466, pp.447-450, 2008 (Journal Indexed in SCI)
- XLVIII. **Structural, optical and magnetic properties of Cd(1-x)Co_xS thin films prepared by spray pyrolysis**
BACAŞIZ E., TOMAKİN M., Altunbas M., PARLAK M., Colakoglu T.
PHYSICA B-CONDENSED MATTER, vol.403, pp.3740-3745, 2008 (Journal Indexed in SCI)
- XLIX. **Ag diffusion in ZnS thin films prepared by spray pyrolysis**
BACAŞIZ E., GORUR O., Tomakin A., YANMAZ E., Altunbas A.
MATERIALS LETTERS, vol.61, no.30, pp.5239-5242, 2007 (Journal Indexed in SCI)
- L. **Effects of CdCl₂ treatment on properties of CdTe thin films grown by evaporation at low substrate temperatures**
BACAŞIZ E., ALTUNBAS M., Yfınlıaz S., Tornakin M., PARLAK M.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.42, no.9, pp.890-894, 2007 (Journal Indexed in SCI)
- LI. **Effect of substrate temperature and post-deposition annealing on the properties of evaporated CdSe thin films**
BACAŞIZ E., Basol B. M. , ALTUNBAS M., YILMAZ S., Tomakin M., ABAY B.
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS, vol.244, no.2, pp.497-504, 2007 (Journal Indexed in SCI)
- LII. **Copper diffusion in ZnS thin films**
BACAŞIZ E., DZHAFAROV T., NOVRUZOV V., OZTURK K., Tomakin M., KUCUKOMEROGLU T., ALTUNBAS M., YANMAZ E., ABAY B.
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.201, no.13, pp.2948-2952, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Exploration of impact of Cr-doping on physical and optical properties of CdS thin films in hybrid photovoltaic cells**
Yılmaz S., Ünverdi A., Tomakin M., Altay M., Polat İ., Bacaksız E.
Turkish Journal of Materials, vol.5, no.1, pp.1-9, 2020 (Refereed Journals of Other Institutions)
- II. **A Study on Hydrothermal Grown CdS Nanospheres: Effects of Cd/S Molar Ratio**
Yılmaz S., Tomakin M., UNVERDI A., ABOGHALON A.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.32, no.4, pp.1271-1281, 2019 (Journal Indexed in ESCI)
- III. **Enhanced efficiency of CdS/P3HT hybrid solar cells via interfacial modification**
Yılmaz S., POLAT İ., Tomakin M., UNVERDI A., BACAŞIZ E.
TURKISH JOURNAL OF PHYSICS, vol.43, no.1, pp.116-125, 2019 (Journal Indexed in ESCI)
- IV. **Investigation of Deposition Parameters of Micro/Nanorod ZnO Thin Films with Ultrasonic Spray**

Pyrolysis Method

Bingöl E., TOMAKİN M.

Turkish Journal of Material Sciences, vol.2, pp.31-37, 2017 (Other Refereed National Journals)

- V. **Role of Mg doping in the structural, optical, and electrical characteristics of ZnO-based DSSCs**
POLAT İ., Yılmaz S., Tomakin M., BACAKSIZ E.
TURKISH JOURNAL OF PHYSICS, vol.41, no.2, pp.160-170, 2017 (Journal Indexed in ESCI)
- VI. **Influence of Substrate Type on Morphology and Photoluminescence Properties of ZnO Thin Films Prepared by Ultrasonic Spray Pyrolysis Method**
BİNGÖL E., BOZALI F., KESKENLER E. F., NEVRUZOĞLU V., TOMAKİN M.
Turkish Journal of Materials, vol.1, no.1, pp.19-24, 2016 (Refereed Journals of Other Institutions)
- VII. **Effect of CdCl₂/annealing on the crystalline transformation of CdTe thin films grown by evaporation at a low substrate temperature**
POLAT İ., YILMAZ S., BACAKSIZ E., ALTUNBAS M., TOMAKİN M.
TURKISH JOURNAL OF PHYSICS, vol.35, pp.1-6, 2011 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Structural Properties of Cu(In,Ga)(Se_{1-y}Te_y)₂ Thin Films Prepared by Two-stage Technique**
Atasoy Y., Polat İ., Tomakin M., Bacaksız E.
6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Turkey, 16 - 19 October 2019, pp.148
- II. **Effect of Annealing Atmosphere on the Properties of Cu₂ZnSnS₄ (CZTS) Thin Films**
Sarp A. O., Seyhan A., Tomakin M., Zan R., Olğar M. A.
6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.2020
- III. **Modulation Properties of Cu₂Sn(S_xSe_{1-x})₃ Thin Films Through Various Reaction Temperatures Using Rapid Thermal Processing**
BAYAZIT T., TOMAKİN M., OLGAR M. A., KÜÇÜKÖMEROĞLU T., BACAKSIZ E.
6th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG2019), 16 - 18 October 2019
- IV. **Growth of Cu₂ZnSnS₄ (CZTS) Thin Films Employing Various Sulfurization Pressures**
Olğar M. A., Sarp A. O., Tomakin M., Seyhan A., Zan R.
6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.154
- V. **Fabrication of SnS Thin Films for Solar Cell Applications**
Olğar M. A., Çirış A., Seyhan A., Tomakin M., Zan R.
6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.337-339
- VI. **Effects of Acceptor Dopants (Li, N, B) on ZnO Thin Film Prepared by Spray Pyrolysis**
BAYAZIT T., OLGAR M. A., GÜNER S. B., TOMAKİN M., BACAKSIZ E.
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