

Prof. AHMET MACİT ÖZENBAŞ

Personal Information

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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1975 - 1981

Dissertations

Doctorate, Nucleation and Growth Studies on Selenium Thin Films, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1981

Research Areas

Material science and engineering, Semiconductor and Superconductor Materials, Optical Properties, Electrical and Magnetic Properties, Chemical and Electrochemical Properties, Plating, Material Characterization, Nanomaterials, Thermal Properties, Structure-Property Relationship

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1991 - Continues

Advising Theses

Özenbaş A. M. , Magnetolectric heterojunction properties of multiferroic materials, Post Graduate, Ç.ÖZDİLEK(Student), 2020

Özenbaş A. M. , Tuning the electron beam evaporation parameters for the production of hole and electron transport layers for perovskite solar cells, Doctorate, M.BURAK(Student), 2019

Akata Kurç B., Özenbaş A. M. , Microporous vanadosilicate AM-6 films for photocatalytic applications, Doctorate, D.KUZYAKA(Student), 2019

ÖZENBAŞ A. M. , Spin coated copper (I) thiocyanate as a hole transport layer for perovskite solar cells, Post Graduate, U.ER(Student), 2018

ÖZENBAŞ A. M. , AKATA KURÇ B., Production of inorganic charge selective layers for mesoscopic perovskite solar cells, Doctorate, K.ÇAĞATAY(Student), 2018

ÖZENBAŞ A. M. , Conducting fto coatings produced using ultrasonic spray pyrolysis for heating applications, Post Graduate, B.SÜER(Student), 2018

ÖZENBAŞ A. M. , Power factor enhancement of thermoelectric oxide composites for high temperature applications, Post

Graduate, E.BURAK(Student), 2018
ÖZENBAŞ A. M. , Synthesis and thermoelectric characterization of Ca₃Co₄O₉ particles, Post Graduate, H.MERVE(Student), 2018
ÖZENBAŞ A. M. , AKATA KURÇ B., Characterization and enhancement of IR optical and tribological properties of DLC films synthesized by RF-PECVD, Post Graduate, V.EREN(Student), 2017
ÖZENBAŞ A. M. , Preparation of BTS-BCT thin films by chemical solution deposition and their characterization / , Post Graduate, B.AKBAY(Student), 2015
ÖZENBAŞ A. M. , AKATA KURÇ B., Optical and electrical characterization of titanosilicate ets-10 thin films: Photochromism and ionic conductivity, Doctorate, S.GALİOĞLU(Student), 2015
AKATA KURÇ B., ÖZENBAŞ A. M. , Optical and electrical characterization of titanosilicate ETS-10 thin films: photochromism and ionic conductivity, Doctorate, S.Galioğlu(Student), 2015
ÖZENBAŞ A. M. , Design of high-efficiency dye-sensitized nanocrystalline solar cells, Doctorate, H.İBRAHİM(Student), 2014
ÖZENBAŞ A. M. , Production and development of flexible dye sensitized solar cells / , Post Graduate, B.CAN(Student), 2014
PARLAK M., ÖZENBAŞ A. M. , Effect of transition metal substitution on high-temperature properties of thermoelectric materials, Doctorate, M.GÜNEŞ(Student), 2014
ÖZENBAŞ A. M. , The development of bifacial dye sensitized solar cells based on binary ionic liquid electrolyte, Post Graduate, M.BURAK(Student), 2013
ÖZENBAŞ A. M. , Preparation of lead free BZT-BCT thin films by chemical solution deposition and their characterization, Post Graduate, B.Çeltikçi(Student), 2012
TURAN R., ÖZENBAŞ A. M. , Core-shell type nanocrystalline fto photoanodes for dye sensitized solar cells, Post Graduate, K.ÇAĞATAY(Student), 2010
ÖZENBAŞ A. M. , Characterization of magnetite thin films produced by sol-gel processing, Post Graduate, A.Erdem(Student), 2008
ÖZENBAŞ A. M. , Preparation of pnzt thin films by solution deposition and their characterization, Post Graduate, V.Kayasü(Student), 2008
ÖZENBAŞ A. M. , Characterization of maghemite thin films prepared by sol-gel processing, Post Graduate, A.Karakuşçu(Student), 2006
ÖZENBAŞ A. M. , Intermetallic phase formation at Fe-Al film interfaces, Post Graduate, G.Temizel(Student), 2006
ÖZENBAŞ A. M. , Preparation of PLZT thin films by chemical solution deposition and their characterization, Post Graduate, B.Kaplan(Student), 2005
ÖZENBAŞ A. M. , Preparation of BaxSr_{1-x}TiO₃ thin films by chemical solution deposition and their electrical characterization, Post Graduate, U.Adem(Student), 2003
ÖZENBAŞ A. M. , Formation of intermetallic phases at the metal-silicon interfaces, Doctorate, H.Güler(Yaroğlu)(Student), 2001

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

- I. **Hydrothermal synthesis of Yb-doped BiFeO₃ crystallites and their structural, magnetic and electrical properties**
ÖZDİLEK Ç., Ozenbas M.
Ceramics International, vol.46, no.17, pp.27800-27808, 2020 (Journal Indexed in SCI Expanded)
- II. **Spin-coated copper(I) thiocyanate as a hole transport layer for perovskite solar cells**
Er U., Icli K. C. , ÖZENBAŞ A. M.
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.24, no.2, pp.293-304, 2020 (Journal Indexed in SCI)
- III. **Effect of oxygen flow rate on the low temperature deposition of titanium monoxide thin films via electron beam evaporation**
Cosar M. B. , Icli K. C. , Ozenbas M.
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A, vol.37, no.3, 2019 (Journal Indexed in SCI)

- IV. **Plasma assisted low temperature electron beam deposited NiO thin films for electro-optic applications**
Cosar M. B. , Icli K. C. , ÖZENBAŞ A. M.
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY A, vol.36, no.3, 2018 (Journal Indexed in SCI)
- V. **Fully metal oxide charge selective layers for n-i-p perovskite solar cells employing nickel oxide nanoparticles**
Icli K. C. , ÖZENBAŞ A. M.
ELECTROCHIMICA ACTA, vol.263, pp.338-345, 2018 (Journal Indexed in SCI)
- VI. **Comparative study on deposition of fluorine-doped tin dioxide thin films by conventional and ultrasonic spray pyrolysis methods for dye-sensitized solar modules**
Icli K. C. , Kocaoglu B. C. , ÖZENBAŞ A. M.
JOURNAL OF PHOTONICS FOR ENERGY, vol.8, no.1, 2018 (Journal Indexed in SCI)
- VII. **Optimization of Selective Electrophoretic Deposition and Isostatic Compression of Titania Nanoparticles for Flexible Dye-Sensitized Solar Cells**
Kocaoglu B. C. , Icli K. C. , ÖZENBAŞ A. M.
ELECTROCHIMICA ACTA, vol.196, pp.535-546, 2016 (Journal Indexed in SCI)
- VIII. **Effect of grain size and porosity on phonon scattering enhancement of Ca₃Co₄O₉**
Gunes M., ÖZENBAŞ A. M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.626, pp.360-367, 2015 (Journal Indexed in SCI)
- IX. **Enhanced Performance of Nanowire-Based All-TiO₂ Solar Cells using Subnanometer-Thick Atomic Layer Deposited ZnO Embedded Layer**
Ghobadi A., Yavuz H. I. , Ulusoy T. G. , Icli K. C. , Ozenbas M., OKYAY A. K.
ELECTROCHIMICA ACTA, vol.157, pp.23-30, 2015 (Journal Indexed in SCI)
- X. **An instrument for the high temperature measurement of the Seebeck coefficient and electrical resistivity**
GÜNEŞ M., PARLAK M., Ozenbas M.
MEASUREMENT SCIENCE AND TECHNOLOGY, vol.25, no.5, 2014 (Journal Indexed in SCI)
- XI. **Production of core-shell type conducting FTO/TiO₂ photoanode for dye sensitized solar cells**
Icli K. C. , Yavuz H. I. , ÖZENBAŞ A. M.
JOURNAL OF SOLID STATE CHEMISTRY, vol.210, no.1, pp.22-29, 2014 (Journal Indexed in SCI)
- XII. **Photovoltaic performance of bifacial dye sensitized solar cell using chemically healed binary ionic liquid electrolyte solidified with SiO₂ nanoparticles**
Cosar B., Icli K. C. , Yavuz H. I. , ÖZENBAŞ A. M.
ELECTROCHIMICA ACTA, vol.87, pp.425-431, 2013 (Journal Indexed in SCI)
- XIII. **Effect of Au nano-particles on TiO₂ nanorod electrode in dye-sensitized solar cells**
Ghaffari M., Cosar M. B. , Yavuz H. I. , Ozenbas M., OKYAY A. K.
ELECTROCHIMICA ACTA, vol.76, pp.446-452, 2012 (Journal Indexed in SCI)
- XIV. **FeCrC, FeW, and NiAl Modified Iron-Based Alloy Coating Deposited by Plasma Transferred Arc Process**
Yilmaz S. O. , Ozenbas M., Yaz M.
MATERIALS AND MANUFACTURING PROCESSES, vol.26, no.5, pp.722-731, 2011 (Journal Indexed in SCI)
- XV. **Synthesis of TiB₂-reinforced iron-based composite coating**
YILMAZ S., Ozenbas M., YAZ M.
TRIBOLOGY INTERNATIONAL, vol.42, no.8, pp.1220-1229, 2009 (Journal Indexed in SCI)
- XVI. **Characterization of nanostructured magnetite thin films produced by sol-gel processing**
Eken A. E. , ÖZENBAŞ A. M.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.50, no.3, pp.321-327, 2009 (Journal Indexed in SCI)
- XVII. **TiB₂-reinforced composite coating by gas tungsten arc welding**
YILMAZ S., Ozenbas M.
JOURNAL OF MATERIALS SCIENCE, vol.44, no.12, pp.3273-3284, 2009 (Journal Indexed in SCI)
- XVIII. **The effect of Nb doping on dielectric and ferroelectric properties of PZT thin films prepared by**

solution deposition

Kayasu V., ÖZENBAŞ A. M.

JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.29, no.6, pp.1157-1163, 2009 (Journal Indexed in SCI)

- XIX. **A special issue - Selected peer reviewed articles from NANOMAT 2006 - International Workshop on Nanostructured Materials, June 21-23, 2006, Antalya, Turkey**
Oezenbas M., TURAN R., Karakas G.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.8, no.2, pp.467-468, 2008 (Journal Indexed in SCI)
- XX. **Characterization of iron oxide thin films prepared by sol-gel processing**
Karakuscu A., Ozenbas M.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.8, no.2, pp.901-906, 2008 (Journal Indexed in SCI)
- XXI. **Preparation of iron oxide nanoparticles by microwave synthesis and their characterization**
Acarbas O., Ozenbas M.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.8, no.2, pp.655-659, 2008 (Journal Indexed in SCI)
- XXII. **Rapid synthesis and characterization of maghemite nanoparticles**
Tural B., Oezenbas M., ATALAY S., Volkan M.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY, vol.8, no.2, pp.861-866, 2008 (Journal Indexed in SCI)
- XXIII. **Investigation of solid state synthesis and characterizations of novel sodium rare-earth oxyphosphates**
Seyyidoglu S., Ozenbas M., YILMAZ A.
TURKISH JOURNAL OF CHEMISTRY, vol.32, no.1, pp.35-54, 2008 (Journal Indexed in SCI)
- XXIV. **Investigation of solid solution of ZrP2O7-Sr2P2O7**
Seyyidoglu S., Oezenbas M., Yazici N., Yilmaz A.
JOURNAL OF MATERIALS SCIENCE, vol.42, no.15, pp.6453-6463, 2007 (Journal Indexed in SCI)
- XXV. **Hydrogen absorption in magnesium based crystalline thin films**
Akyildiz H., Ozenbas M., Ozturk T.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.31, no.10, pp.1379-1383, 2006 (Journal Indexed in SCI)
- XXVI. **Solid State Synthesis and Characterization of Some Novel Sodium Rare Earth Phosphates**
Seyyidoglu S., Ozenbas M., Kizilyalli M., YILMAZ A.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.61, 2005 (Journal Indexed in SCI)
- XXVII. **Pb(Zr_{0.52}Ti_{0.48})O₃ films on stainless steel by chemical solution deposition**
Ozenbas M., Yildirim A.
EURO CERAMICS VIII, PTS 1-3, pp.1217-1220, 2004 (Journal Indexed in SCI)
- XXVIII. **Characterization of TiO₂ thin films prepared by sol-gel processing**
Ozenbas M., Kaya O.
EURO CERAMICS VIII, PTS 1-3, pp.505-508, 2004 (Journal Indexed in SCI)
- XXIX. **Ba_{1-x}Sr_xTiO₃ films prepared by chemical solution deposition**
Ozenbas M., Ozguven N., Emre M., Demirbas M.
EURO CERAMICS VIII, PTS 1-3, pp.1249-1252, 2004 (Journal Indexed in SCI)
- XXX. **Formation of Al-Si intermetallic phases**
Ozenbas M., Guler H.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.190, pp.911-924, 2003 (Journal Indexed in SCI)
- XXXI. **Micropatterned lead zirconium titanate thin films**
Vartuli J., Ozenbas M., Chun C., Trau M., Aksay I.
JOURNAL OF MATERIALS RESEARCH, vol.18, no.5, pp.1259-1265, 2003 (Journal Indexed in SCI)
- XXXII. **Microstructural characteristics of gas tungsten arc synthesised Fe-Cr-Si-Coating**
Yilmaz O., Ozenbas M., Korkut M.
MATERIALS SCIENCE AND TECHNOLOGY, vol.18, no.10, pp.1209-1216, 2002 (Journal Indexed in SCI)
- XXXIII. **PVD growth and characterization of YBCO thin films on polycrystalline alumina substrates: phase separation**
Ozenbas M., Gungoren T.
PHYSICA C, vol.341, pp.2363-2364, 2000 (Journal Indexed in SCI)

- XXXIV. **Characterization of c-axis oriented Y-Ba-Cu-O thin films prepared by PVD on LaAlO₃ (100) and SrTiO₃ (100) substrates**
Ozenbas M., Gungoren T.
PHYSICA C, vol.341, pp.2365-2366, 2000 (Journal Indexed in SCI)
- XXXV. **PREPARATION OF Pb(Zr,Ti)O₃ THIN FILMS AND POWDERS BY THE SOL-GEL PROCESS**
Ozenbas M., Ergin U.
FERROELECTRICS, vol.186, pp.219-222, 1996 (Journal Indexed in SCI)
- XXXVI. **AMORPHOUS-TO-CRYSTALLINE TRANSITION OF SELENIUM THIN-FILMS DEPOSITED ONTO ALUMINUM SUBSTRATES**
OZENBAS M.
VACUUM, vol.41, pp.1339-1342, 1990 (Journal Indexed in SCI)
- XXXVII. **GROWTH OF SELENIUM THIN-FILMS**
OZENBAS M.
JOURNAL OF MATERIALS SCIENCE, vol.22, no.4, pp.1419-1431, 1987 (Journal Indexed in SCI)
- XXXVIII. **ADHESION OF THIN-FILMS**
OZENBAS M., TAN C.
JOURNAL OF CRYSTAL GROWTH, vol.78, no.3, pp.519-522, 1986 (Journal Indexed in SCI)
- XXXIX. **CRYSTALLIZATION OF AMORPHOUS SELENIUM THIN-FILMS**
OZENBAS M., KALEBOZAN H.
JOURNAL OF CRYSTAL GROWTH, vol.78, no.3, pp.523-527, 1986 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Dye Sensitized Solar Modules with Embedded Silver Lines**
Icli K. C. , Ozenbas M.
MRS ADVANCES, vol.1, no.14, pp.991-996, 2016 (Journal Indexed in ESCI)
- II. **Investigating the formation mechanisms of cu_{0.83}si_{0.17} intermetallic phase formed at Cu-Si and Cu-(5at%)Nb/Si interfaces**
Güler H., ÖZENBAŞ A. M.
Gazi University Journal of Science, vol.24, no.3, pp.517-525, 2011 (Refereed Journals of Other Institutions)
- III. **Intermetallic phase formation at Fe-Al film interfaces**
Temizel G., ÖZENBAŞ A. M.
Turkish Journal of Engineering and Environmental Sciences, vol.31, no.2, pp.71-78, 2007 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Plasma Assisted Low Temperature Electron Beam Deposition of NiO Thin Films for Electro-Optic Applications**
COŞAR M. B. , İÇLİ K. Ç. , ÖZENBAŞ A. M.
2017 MRS Fall Meeting, 26 November 2017 - 01 December 2107
- II. **Design of High-Efficiency Dye-Sensitized Nanocrystalline Solar Cells**
YAVUZ H. İ. , ÖZENBAŞ A. M.
2017 bMRS Fall Meeting, 26 November - 01 December 2017
- III. **The Effect of Oxygenation on the Ferroelectric Performances of Bismuth Ferrite Thin Films**
KOCAOĞLU B. C. , ÖZENBAŞ A. M.
2017 MRS Fall Meeting, 26 November - 01 December 2017
- IV. **Characterization and Enhancement of IR Optical and Tribological Properties of DLC Films Synthesized by RF-PECVD**

TABUROĞLU V. E. , YILDIZ İ., ÖZENBAŞ A. M.

2017 MRS Fall Meeting, 26 November - 01 December 2017

- V. **A Comparative Study on the Deposition of FTO Thin Films by Conventional and Ultrasonic Spray Pyrolysis Methods for Dye Sensitized Solar Modules**
ÖZENBAŞ A. M. , İÇLİ K. Ç.
15th International Conference on Advanced Materials, 27 August - 01 September 2017
- VI. **ZrO₂ Blocking Layer Application on Dye Sensitized Solar Cells**
YAVUZ H. İ. , ÖZENBAŞ A. M.
Materials Research Society 2016 Fall Meeting, Boston, United States Of America, 27 November - 02 December 2016
- VII. **Highly Efficient Optimized BiSeCuO Ca₃Co₄O₉ Nano Composites**
YURDAKUL E. B. , ERTUĞRUL H. M. , GÜNEŞ M., ÖZENBAŞ A. M.
Materials Research Society 2016 Fall Meeting, Boston, United States Of America, 27 November - 02 December 2016
- VIII. **A Comparative Study on Deposition of FTO Thin Films by Conventional and Ultrasonic Spray Pyrolysis Methods for Dye Sensitized Solar Modules**
İÇLİ K. Ç. , ÖZENBAŞ A. M.
Materials Research Society 2016 Fall Meeting, Boston, United States Of America, 27 November - 02 December 2016
- IX. **Promising Ca₃Co₄O₉ Nano Pore Composite Structure as Future Thermoelectric Material**
GÜNEŞ M., ÖZENBAŞ A. M.
Materials Research Society 2016 Fall Meeting, Boston, United States Of America, 27 November - 02 December 2016
- X. **Dielectric and Ferroelectric Properties of Lead Free BTS BCT Thin Films Processed by Chemical Solution Deposition Method**
Akbay B., ÖZENBAŞ A. M.
Materials Research Society 2015 MRS Fall Meeting, 29 November - 04 December 2015
- XI. **Dye Sensitized Solar Modules with Embedded Silver Lines**
İçli K. Ç. , ÖZENBAŞ A. M.
Materials Research Society 2015 MRS Fall Meeting, 29 November - 04 December 2015
- XII. **Optimizing Wide Band Gap ZrO₂ Blocking Layer for TiO₂ Film Based Dye Sensitized Solar Cells**
YAVUZ H. İ. , ÖZENBAŞ A. M.
Materials Research Society 2015 MRS Fall Meeting, 29 November - 04 December 2015
- XIII. **Electrophoretic Deposition of TiO₂ with In situ Rutile Anatase Phase Separation for Flexible Dye Sensitized Solar Cells**
KOCAOĞLU B. C. , ÖZENBAŞ A. M.
Materials Research Society 2015 MRS Fall Meeting, 29 November - 04 December 2015
- XIV. **Production of flexible polymeric photoanodes using binder-free electrophoretic deposition and compression for dye-sensitized solar cells**
Kocaoglu B. C. , ÖZENBAŞ A. M.
3rd Turkish Solar Electricity Conference and Exhibition (SolarTR), Ankara, Turkey, 27 - 29 April 2015, vol.12, pp.1246-1250
- XV. **Parallel Type Dye Sensitized Solar Modules with Embedded Silver Lines**
İçli K. Ç. , ÖZENBAŞ A. M.
Solar TR-3, Turkey, 27 - 29 April 2015
- XVI. **Fabrication and characterization of spin-coated TiO₂ films**
Hosseini A., İcli K. C. , Ozenbas M., Ercelebi C.
EMRS Spring Meeting / Symposium Y- Advanced Materials and Characterization Techniques for Solar Cells II, Lille, France, 26 - 30 May 2014, vol.60, pp.191-198
- XVII. **Ba_{1-x}Sr_xTiO₃ films prepared by chemical solution deposition**
ÖZENBAŞ A. M. , ÖZGÜVEN H. N. , Emre M., Demirbaş M.
Proceedings of the 8th Conference and Exhibition of the European Ceramic Society, İstanbul, Turkey, 29 June - 03 July 2003, pp.1249-1252
- XVIII. **Characterization of TiO₂ thin films prepared by sol-gel processing**
ÖZENBAŞ A. M. , KAYA O.

Proceedings of the 8th Conference and Exhibition of the European Ceramic Society, İstanbul, Turkey, 29 June - 03 July 2003, pp.505-508

XIX. Pb(Zr_{0.52}Ti_{0.48})O₃ films on stainless steel by chemical solution deposition

ÖZENBAŞ A. M. , YILDIRIM A.

Proceedings of the 8th Conference and Exhibition of the European Ceramic Society, İstanbul, Turkey, 29 June - 03 July 2003, pp.1217-1220

XX. Characterization and preparation of thin films and homogeneously precipitated Pb(Zr,Ti)O₃ powders Homojen olarak çökeltilmiş Pb(Zr,Ti)O₃ tozların ve ince filmlerin hazırlanması ve karakterizasyonu

ÖZENBAŞ A. M. , Turhan N.

Ulusal Toz Metalurjisi Konferansı: Second National Powder Metallurgy Conference, Ankara, Turkey, 15 - 17 September 1999, pp.375-380

XXI. PRODUCTION OF SUPERCONDUCTING THICK-FILMS THROUGH CATION CHELATED ORGANIC PRECURSORS

OZENBAS M., YAVUZ M.

NATO ADVANCED STUDY INSTITUTE ON PHYSICS AND MATERIALS SCIENCE OF HIGH TEMPERATURE SUPERCONDUCTORS, 2, PORTO CARRAS, Greece, 18 - 31 August 1991, vol.209, pp.659-671

XXII. SUPERCONDUCTING PROPERTIES OF TITANIUM AND NICKEL SUBSTITUTED YBA₂(Cu₃-YMY)_{07-X}

OZENBAS M., AKBAS M.

NATO ADVANCED STUDY INSTITUTE ON PHYSICS AND MATERIALS SCIENCE OF HIGH TEMPERATURE SUPERCONDUCTORS, 2, PORTO CARRAS, Greece, 18 - 31 August 1991, vol.209, pp.685-698

Supported Projects

ÖZENBAŞ A. M. , ÖZDİLEK Ç., Project Supported by Higher Education Institutions, MULTİFERROİK BULK MALZEMELERİN MAGNETOELEKTRİK ÖZELLİKLERİNİN İNCELENMESİ, 2018 - Continues

ÖZENBAŞ A. M. , ERTUĞRUL H., Project Supported by Higher Education Institutions, CA₃CO₄O₉ PARÇACIKLARIN SENTEZLENMESİ VE TERMOELEKTRİK ÖZELLİKLERİNİN KARAKTERİZASYONU, 2018 - Continues

ÖZENBAŞ A. M. , SÜER B., Project Supported by Higher Education Institutions, ISİTİCİ MAKSADI İLE KULLANILACAK METAL ALTLIKLARA FTO İNCE FİLM KAPLAMALAR, 2018 - Continues

ÖZENBAŞ A. M. , CAN KOCAOĞLU B., Project Supported by Higher Education Institutions, MULTİFERROİK MALZEMELERİN MAGNETOELEKTRİK HETEROEKLEM ÖZELLİKLERİNİN İNCELENMESİ, 2018 - Continues

Kalay Y. E. , Özenbaş A. M. , TUBITAK Project, Mikrobolometre Tipi Soğutmasız Kızılötesi Dedektör Dizinlerine Uygun Silisyum Disk Seviyesinde Vakum Paketleme Yöntemlerinin Geliştirilmesi , 2016 - 2019

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, RF-PECVD YÖNTEMİ İLE ÜRETİLEN ELMAS BENZERİ KARBON FÜLMLERİNİR OPTİK VE TRIBOLOJİK ÖZELLİKLERİNİN ARAŞTIRILMASI VE GELİŞTİRİLMESİ, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, MULTİFERROİK MALZEMELERİN MAGNETOELEKTRİK HETEROEKLEM ÖZELLİKLERİNİN İNCELENMESİ, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, KUANTUM NOKTACIK DUYARLI GÜNEŞ HÜCRELERİNİN KOLLOİDAL ÇÖZELTİLERDEN ELDE EDİLMESİ, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, Multiferroik malzemelerin magnetoelektrik heteroeklem özelliklerinin incelenmesi, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, SOL-JEL YÖNTEMLERİ İLE OLUŞTURULAN ANTI-REFLEKTE OPTİK KAPLAMALARIN BOYA DUYARLI GÜNEŞ HÜCRELERİ İÇİN GELİŞTİRİLMESİ, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, YUKARI ÇEVİRİM MALZEMELERİ KULLANILARAK BOYA DUYARLI GÜNEŞ HÜCRESİ TASARIMI, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, ISİTİCİ MAKSADI İLE KULLANILACAK METAL ALTLIKLARA FTO İNCE FİLM KAPLAMALAR, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, BiCuSeO/Ca₃Co₄O₉ İKİLİ SİSTEMİNİN İNCE FİLM

VE PELET OLARAK ÜRETİLMESİ VE TERMOLEKTRİK KARAKTERİZASYONU, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, ŞEFFAF ISITICILAR İÇİN FTO VE ITO İNCE FİLM KAPLAMALAR, 2017 - 2017

ÖZENBAŞ A. M. , Project Supported by Higher Education Institutions, CA3CO4O9 PARÇACIKLARIN SENTEZLENMESİ VE TERMOELEKTRİK ÖZELLİKLERİNİN KARAKTERİZASYONU, 2017 - 2017

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