

# Prof. AHMET MACİT ÖZENBAŞ

## Personal Information

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## International Researcher IDs

ScholarID: [qddgCx0AAAAJ](https://scholar.google.com/citations?user=qddgCx0AAAAJ)

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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 - 2018

## Advising Theses

Özenbaş A. M., Magnetoelectric heterojunction properties of multiferroic materials, Postgraduate, 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, Postgraduate,

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, Postgraduate, B.SÜER(Student), 2018

ÖZENBAŞ A. M., Power factor enhancement of thermoelectric oxide composites for high temperature applications, Postgraduate, E.BURAK(Student), 2018

ÖZENBAŞ A. M., Synthesis and thermoelectric characterization of Ca<sub>3</sub>Co<sub>4</sub>O<sub>9</sub> particles, Postgraduate, 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, Postgraduate, V.EREN(Student), 2017

ÖZENBAŞ A. M., Preparation of BTS-BCT thin films by chemical solution deposition and their characterization /, Postgraduate, 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 /, Postgraduate, B.CAN(Student), 2014

ÖZENBAŞ A. M., PARLAK 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, Postgraduate, M.BURAK(Student), 2013

ÖZENBAŞ A. M., Preparation of lead free BZT-BCT thin films by chemical solution deposition and their characterization, Postgraduate, B.Çeltikçi(Student), 2012

ÖZENBAŞ A. M., TURAN R., Core-shell type nanocrystalline fto photoanodes for dye sensitized solar cells, Postgraduate, K.ÇAĞATAY(Student), 2010

ÖZENBAŞ A. M., Characterization of magnetite thin films produced by sol-gel processing, Postgraduate, A.Erdem(Student), 2008

ÖZENBAŞ A. M., Preparation of pnzt thin films by solution deposition and their characterization, Postgraduate, V.Kayasü(Student), 2008

ÖZENBAŞ A. M., Characterization of maghemite thin films prepared by sol-gel processing, Postgraduate, A.Karakuşçu(Student), 2006

ÖZENBAŞ A. M., Intermetallic phase formation at Fe-Al film interfaces, Postgraduate, G.Temizel(Student), 2006

ÖZENBAŞ A. M., Preparation of PLZT thin films by chemical solution deposition and their characterization, Postgraduate, B.Kaplan(Student), 2005

ÖZENBAŞ A. M., Preparation of BaxSr<sub>1-x</sub>TiO<sub>3</sub> thin films by chemical solution deposition and their electrical characterization, Postgraduate, U.Adem(Student), 2003

ÖZENBAŞ A. M., Formation of intermetallic phases at the metal-silicon interfaces, Doctorate, H.Güler(Yaroğlu)(Student), 2001

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Modification of TiO<sub>2</sub> and NiO charge selective mesoporous layers using excessive Y and Li additions for carbon based perovskite solar cells**  
Icli K. C., ÖZENBAŞ A. M.  
Journal of Power Sources, vol.506, 2021 (SCI-Expanded)
- II. **Conducting fluorine doped tin dioxide (FTO) coatings by ultrasonic spray pyrolysis for heating applications**

SÜER B., ÖZENBAŞ A. M.

CERAMICS INTERNATIONAL, vol.47, no.12, pp.17245-17254, 2021 (SCI-Expanded)

- III. **Hydrothermal synthesis of Yb-doped BiFeO<sub>3</sub> crystallites and their structural, magnetic and electrical properties**  
ÖZDİLEK Ç., Ozenbas M.  
Ceramics International, vol.46, no.17, pp.27800-27808, 2020 (SCI-Expanded)
- IV. **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 (SCI-Expanded)
- V. **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 (SCI-Expanded)
- VI. **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 (SCI-Expanded)
- VII. **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 (SCI-Expanded)
- VIII. **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 (SCI-Expanded)
- IX. **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 (SCI-Expanded)
- X. **Effect of grain size and porosity on phonon scattering enhancement of Ca<sub>3</sub>Co<sub>4</sub>O<sub>9</sub>**  
Gunes M., ÖZENBAŞ A. M.  
JOURNAL OF ALLOYS AND COMPOUNDS, vol.626, pp.360-367, 2015 (SCI-Expanded)
- XI. **Enhanced Performance of Nanowire-Based All-TiO<sub>2</sub> 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 (SCI-Expanded)
- XII. **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 (SCI-Expanded)
- XIII. **Production of core-shell type conducting FTO/TiO<sub>2</sub> 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 (SCI-Expanded)
- XIV. **Photovoltaic performance of bifacial dye sensitized solar cell using chemically healed binary ionic liquid electrolyte solidified with SiO<sub>2</sub> nanoparticles**  
Cosar B., Icli K. C., Yavuz H. I., ÖZENBAŞ A. M.  
ELECTROCHIMICA ACTA, vol.87, pp.425-431, 2013 (SCI-Expanded)
- XV. **Effect of Au nano-particles on TiO<sub>2</sub> 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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)

- XVII. Synthesis of TiB<sub>2</sub>-reinforced iron-based composite coating**  
YILMAZ S., Ozenbas M., YAZ M.  
TRIBOLOGY INTERNATIONAL, vol.42, no.8, pp.1220-1229, 2009 (SCI-Expanded)
- XVIII. 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 (SCI-Expanded)
- XIX. TiB<sub>2</sub>-reinforced composite coating by gas tungsten arc welding**  
YILMAZ S., Ozenbas M.  
JOURNAL OF MATERIALS SCIENCE, vol.44, no.12, pp.3273-3284, 2009 (SCI-Expanded)
- XX. 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XXII. 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 (SCI-Expanded)
- XXIII. 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 (SCI-Expanded)
- XXIV. 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 (SCI-Expanded)
- XXV. 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 (SCI-Expanded)
- XXVI. Investigation of solid solution of ZrP<sub>2</sub>O<sub>7</sub>-Sr<sub>2</sub>P<sub>2</sub>O<sub>7</sub>**  
Seyyidoglu S., Oezenbas M., Yazici N., Yilmaz A.  
JOURNAL OF MATERIALS SCIENCE, vol.42, no.15, pp.6453-6463, 2007 (SCI-Expanded)
- XXVII. 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 (SCI-Expanded)
- XXVIII. 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 (SCI-Expanded)
- XXIX. Ba<sub>1-x</sub>Sr<sub>x</sub>TiO<sub>3</sub> films prepared by chemical solution deposition**  
Ozenbas M., Ozguven N., Emre M., Demirbas M.  
EURO CERAMICS VIII, PTS 1-3, pp.1249-1252, 2004 (SCI-Expanded)
- XXX. Pb(Zr<sub>0.52</sub>Ti<sub>0.48</sub>)O<sub>3</sub> films on stainless steel by chemical solution deposition**  
Ozenbas M., Yildirim A.  
EURO CERAMICS VIII, PTS 1-3, pp.1217-1220, 2004 (SCI-Expanded)
- XXXI. Characterization of TiO<sub>2</sub> thin films prepared by sol-gel processing**  
Ozenbas M., Kaya O.  
EURO CERAMICS VIII, PTS 1-3, pp.505-508, 2004 (SCI-Expanded)

- XXXII. **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 (SCI-Expanded)
- XXXIII. **Formation of Al-Si intermetallic phases**  
Ozenbas M., Guler H.  
CHEMICAL ENGINEERING COMMUNICATIONS, vol.190, pp.911-924, 2003 (SCI-Expanded)
- XXXIV. **Microstructural characteristics of gas tungsten arc synthesised Fe-Cr-Si-Ccoating**  
Yilmaz O., Ozenbas M., Korkut M.  
MATERIALS SCIENCE AND TECHNOLOGY, vol.18, no.10, pp.1209-1216, 2002 (SCI-Expanded)
- XXXV. **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 (SCI-Expanded)
- XXXVI. **Characterization of c-axis oriented Y-Ba-Cu-O thin films prepared by PVD on LaAlO<sub>3</sub> (100) and SrTiO<sub>3</sub> (100) substrates**  
Ozenbas M., Gungoren T.  
PHYSICA C, vol.341, pp.2365-2366, 2000 (SCI-Expanded)
- XXXVII. **PREPARATION OF Pb(Zr,Ti)O<sub>3</sub> THIN FILMS AND POWDERS BY THE SOL-GEL PROCESS**  
Ozenbas M., Ergin U.  
FERROELECTRICS, vol.186, pp.219-222, 1996 (SCI-Expanded)
- XXXVIII. **AMORPHOUS-TO-CRYSTALLINE TRANSITION OF SELENIUM THIN-FILMS DEPOSITED ONTO ALUMINUM SUBSTRATES**  
OZENBAS M.  
VACUUM, vol.41, pp.1339-1342, 1990 (SCI-Expanded)
- XXXIX. **GROWTH OF SELENIUM THIN-FILMS**  
OZENBAS M.  
JOURNAL OF MATERIALS SCIENCE, vol.22, no.4, pp.1419-1431, 1987 (SCI-Expanded)
- XL. **CRYSTALLIZATION OF AMORPHOUS SELENIUM THIN-FILMS**  
OZENBAS M., KALEBOZAN H.  
JOURNAL OF CRYSTAL GROWTH, vol.78, no.3, pp.523-527, 1986 (SCI-Expanded)
- XLI. **ADHESION OF THIN-FILMS**  
OZENBAS M., TAN C.  
JOURNAL OF CRYSTAL GROWTH, vol.78, no.3, pp.519-522, 1986 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Dye Sensitized Solar Modules with Embedded Silver Lines**  
Ici K. C., Ozenbas M.  
MRS ADVANCES, vol.1, no.14, pp.991-996, 2016 (ESCI)
- II. **Investigating the formation mechanisms of Cu<sub>0.83</sub>Si<sub>0.17</sub> 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 (Scopus)
- 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 (Scopus)

## 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. **ZrO<sub>2</sub> 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 Ca<sub>3</sub>Co<sub>4</sub>O<sub>9</sub> 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 Ca<sub>3</sub>Co<sub>4</sub>O<sub>9</sub> 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**  
Akbat 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 ZrO<sub>2</sub> Blocking Layer for TiO<sub>2</sub> 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 TiO<sub>2</sub> 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 TiO<sub>2</sub> 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. **Yarı Katı Karıştırma Yöntemi Kullanılarak Yüksek Kromlu Beyaz Dökme Demirlerin Ti - B - W İlaveleriyle Takviyelendirilmesi**  
YILMAZ S. O., ÖZENBAŞ A. M., karakaş y., KALKANLI A., GÜLER Ö.  
12. Uluslararası Metalurji-Malzeme Konferansı ve Fuarı, İstanbul, Turkey, 28 September - 02 October 2005, pp.2044-2051
- XVIII. **FeTi ve FeB Partikülleri ve Yarı Katı Karıştırma Yöntemi Kullanılarak Elde Edilen Yüksek Kromlu Beyaz Dökme Demirlerin Abrasiv Aşınma Dirençlerinin İncelenmesi**  
ÖZENBAŞ A. M., YILMAZ S. O., karakaş y., KALKANLI A., GÜLER Ö.  
3. Demir-Çelik Kongresi, Turkey, 22 - 24 September 2005
- XIX. **Characterization of TiO<sub>2</sub> 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
- XX. **Pb(Zr<sub>0.52</sub>Ti<sub>0.48</sub>)O<sub>3</sub> 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
- XXI. **Ba<sub>1-x</sub>Sr<sub>x</sub>TiO<sub>3</sub> 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
- XXII. **Characterization and preparation of thin films and homogeneously precipitated Pb(Zr,Ti)O<sub>3</sub> powders Homojen olarak çökeltilmiş Pb(Zr,Ti)O<sub>3</sub> 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
- XXIII. **SUPERCONDUCTING PROPERTIES OF TITANIUM AND NICKEL SUBSTITUTED YBa<sub>2</sub>(Cu<sub>3</sub>-YMY)<sub>07-X</sub>**  
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
- XXIV. **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

## 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, ISITICI MAKSADI İLE KULLANILACAK

METAL ALTILIKLARA 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

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

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PROJESİ, 2014 - 2014

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