Prof. CANER DURUCAN

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: K-2084-2014
ScopusID: 6603648088
Yoksis Researcher ID: 165000

Education Information

Doctorate, Pennsylvania State University, Earth and Mineral Sciences, Department of Materials Science and Engineering, United States Of America 1998 - 2003
Postgraduate, Pennsylvania State University, Earth and Mineral Sciences, Department of Materials Science and Engineering, United States Of America 1995 - 1998
Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Research Areas

Biomedical Engineering, Metallurgical and Materials Engineering, Material science and engineering

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2014 - Continues
Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2009 - 2014
Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2005 - 2009
Lecturer PhD, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2005 - 2005
Lecturer PhD, Pennsylvania State University, Earth And Mineral Science, Materials Science And Engineering, 2003 - 2005
Research Assistant, Pennsylvania State University, Earth And Mineral Science, Materials Science And Engineering, 1996 - 2003

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 1993 - 1995

Academic and Administrative Experience

Director of the Center, Middle East Technical University, Presidency Office, Biyomalzeme ve Doku Mühendisliği Araştırma ve Uygulama Merkezi, 2020 - Continues
Middle East Technical University, Biyomalzeme Ve Doku Mühendisliği Araştırma Ve Uygulama Merkezi, 2011 - Continues
BAP Scientific Commissioner, Middle East Technical University, Faculty of Engineering, Mühendislik Fakültesi BAP Komisyonu, 2014 - 2016
Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2012 - 2015
Fakülte Yönetim Kurulu Üyesi, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, 2011 - 2014

Courses

BIOCERAMICS, Postgraduate, 2018 - 2019
FUNDAMENTALS OF MATERIALS SCIENCE AND ENGINEERING , Undergraduate, 2018 - 2019
MATERIALS PROCESSING LABORATORY , Undergraduate, 2018 - 2019

Advising Theses

DURUCAN C., Additive manufacturing of 3-dimensional bioceramic structures elaborated by calcium phosphate cement reactions, Postgraduate, H.ENGİN(Student), 2022
DURUCAN C., Emulsion-based processing and characterization of biomimetic hydroxyapatite microspheres by using calcium phosphate cements, Postgraduate, N.ÖNDİN(Student), 2022
DURUCAN C., Synthesis of selenium-incorporated alpha-tricalcium phosphate and evaluation of its cement-type reactivity, Postgraduate, B.BAŞTUĞ(Student), 2019
DURUCAN C., Optimization of the mechanical properties of Ti-6Al-4V alloy produced by three dimensional additive manufacturing using termochemical processes, Postgraduate, G.MERT(Student), 2017
DURUCAN C., ÜNALAN H. E., Structural and optoelectronic properties of sol-gel derived nickel oxide thin films, Postgraduate, B.Ekim(Student), 2017
DURUCAN C., ÜNALAN H. E., Structural and optical properties of sol-gel derived nickel oxide thin films, Postgraduate, B.EKİM(Student), 2017
DURUCAN C., Chemical and structural characterization of selenium-incorporated hydroxyapatite, Postgraduate, B.ALKAN(Student), 2015
DURUCAN C., Sol-gel processing of silver-doped silica and assessment of its structural and antimicrobial properties, Postgraduate, B.AKKÖPRÜ(Student), 2015
DURUCAN C., Development of D -type fiber optic sensors for detection of refractive index variation in evanescent wave field /, Postgraduate, B.GÜLERYÜZ(Student), 2014
DURUCAN C., Synthesis of zinc oxide nanoparticles by aqueous methods and effect of metal incorporation on the structural/functional properties of nanoparticles, Doctorate, Ö.ALTINTAŞ(Student), 2014
DURUCAN C., Alpha tricalcium phosphate-based hybrid bone analogs: assessment of cement behaviour and mechanical properties /, Postgraduate, G.Alkan(Student), 2014
DURUCAN C., Alpha tricalcium phosphate-based hybrid bone analogs: Assessment of cement behaviour and mechanical properties, Postgraduate, G.ALKAN(Student), 2014
DURUCAN C., Sol-gel synthesis of antibacterial silver-doped silica powders from sodium silicate (Water glass),

Postgraduate, E.ÖZDEM(Student), 2013
DURUCAN C., AKIN T., A microbolometer detector based on a sol-gel technology, Doctorate, Ö.DERVİŞOĞLU(Student), 2013
DURUCAN C., Sol-gel processing of organically modified ITO thin films and characterization of their optoelectronic and microstructural properties, Postgraduate, M.TÜMERKAN(Student), 2012
DURUCAN C., Development of indium tin oxide (ITO) nanoparticle incorporated transparent conductive oxide thin films, Postgraduate, H.YAVAŞ(Student), 2012
DURUCAN C., Hydrothermal-like synthesis of hydroxyapatite from calcium sulfates, Postgraduate, O.RAUF(Student), 2010
DURUCAN C., EVİS Z., Structural and mechanical investigations of magnesium and fluoride doped nano calcium phosphates, Postgraduate, Z.PINAR(Student), 2009
DURUCAN C., Sol-gel synthesis of DNA encapsulated silica, Postgraduate, D.KAPUSUZ(Student), 2009
DURUCAN C., Development of sol-gel derived hydroxyapatite-titania coatings, Postgraduate, N.SERHAT(Student), 2008
DURUCAN C., Sol-gel derived tungsten oxide based electrochromic coatings, Postgraduate, D.IŞIK(Student), 2008

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Functionalization of glass fiber woven fabrics by indium tin oxide (ITO) coatings for electromagnetic wave absorption**
Daricioglu M. O., Durucan C., Dericioğlu A. F.
Materials Science and Engineering B: Solid-State Materials for Advanced Technology, vol.294, 2023 (SCI-Expanded)

II. **Decellularized adipose tissue matrix-coated and simvastatin-loaded hydroxyapatite microspheres for bone regeneration.**
Kesim M. G., Durucan C., Atila D., Keskin D., Tezcaner A.
Biotechnology and bioengineering, vol.119, no.9, pp.2574-2589, 2022 (SCI-Expanded)

III. **Complete chemical and structural characterization of selenium-incorporated hydroxyapatite**
Alkan B., DURUCAN C.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.33, no.1, 2022 (SCI-Expanded)

IV. **Development of a solid-phase microextraction LC-MS/MS method for determination of oxidative stress biomarkers in biofluids**
Kahremanoglu K., Temel E. R., Korkut T. E., Nalbant A. A., BAŞTUĞ AZER B., DURUCAN C., VOLKAN M., BOYACI E.
JOURNAL OF SEPARATION SCIENCE, vol.43, pp.1925-1933, 2020 (SCI-Expanded)

V. **Exploring encapsulation mechanism of DNA and mononucleotides in sol-gel derived silica**
KAPUSUZ D., DURUCAN C.
JOURNAL OF BIOMATERIALS APPLICATIONS, vol.32, no.1, pp.114-125, 2017 (SCI-Expanded)

VI. **Ternary nanocomposite SWNT/WO3/PANI thin film electrodes for supercapacitors**
Yuksel R., DURUCAN C., ÜNALAN H. E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.658, pp.183-189, 2016 (SCI-Expanded)

VII. **Room temperature synthesis of Cu incorporated ZnO nanoparticles with room temperature ferromagnetic activity: Structural, optical and magnetic characterization**
YILDIRIM Ö. A., DURUCAN C.
CERAMICS INTERNATIONAL, vol.42, no.2, pp.3229-3238, 2016 (SCI-Expanded)

VIII. **Computational study of hydroxyapatite structures, properties and defects**
Bystrov V. S., Coutinho J., Bystrova A. V., Dekhtyar Y. D., Pullar R. C., Poronin A., Palcevskis E., Dindune A., Alkan B., DURUCAN C., et al.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.48, no.19, 2015 (SCI-Expanded)

IX. **A parametric study on processing of scratch resistant hybrid sol-gel silica coatings on polycarbonate**
Yavas H., Selcuk C. D. O., Ozhan A. E. S., DURUCAN C.
THIN SOLID FILMS, vol.556, pp.112-119, 2014 (SCI-Expanded)

X. **Indium tin oxide thin films elaborated by sol-gel routes: The effect of oxalic acid addition on optoelectronic properties**
Kesim M. T., DURUCAN C.
THIN SOLID FILMS, vol.545, pp.56-63, 2013 (SCI-Expanded)

XI. **Highly Efficient Room Temperature Synthesis of Silver-Doped Zinc Oxide (ZnO:Ag) Nanoparticles: Structural, Optical, and Photocatalytic Properties**
Yildirim O. A., ÜNALAN H. E., DURUCAN C.
JOURNAL OF THE AMERICAN CERAMIC SOCIETY, vol.96, no.3, pp.766-773, 2013 (SCI-Expanded)

XII. **Synthesis of DNA-encapsulated silica elaborated by sol-gel routes**
Kapusuz D., DURUCAN C.
JOURNAL OF MATERIALS RESEARCH, vol.28, no.2, pp.175-184, 2013 (SCI-Expanded)

XIII. **Gentamicin loaded beta-tricalcium phosphate/gelatin composite microspheres as biodegradable bone fillers**
Sezer U. A., Aksoy E. A., DURUCAN C., Hasirci N.
POLYMER COMPOSITES, vol.33, no.9, pp.1644-1651, 2012 (SCI-Expanded)

XIV. **Effect of precipitation temperature and organic additives on size and morphology of ZnO nanoparticles**
Yildirim O. A., DURUCAN C.
JOURNAL OF MATERIALS RESEARCH, vol.27, no.11, pp.1452-1461, 2012 (SCI-Expanded)

XV. **Silver containing sol-gel derived silica thin films: effect of aluminum incorporation on optical, microstructural and bactericidal properties**
Akgun B. A., Mellott N. P., DURUCAN C.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.62, no.2, pp.240-251, 2012 (SCI-Expanded)

XVI. **Sol-gel derived silver-incorporated titania thin films on glass: bactericidal and photocatalytic activity**
Akgun B. A., Wren A. W., DURUCAN C., Towler M. R., Mellott N. P.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.59, no.2, pp.228-238, 2011 (SCI-Expanded)

XVII. **Effect of silver incorporation on crystallization and microstructural properties of sol-gel derived titania thin films on glass**
Akgun B. A., DURUCAN C., Mellott N. P.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.58, no.1, pp.277-289, 2011 (SCI-Expanded)

XVIII. **Alpha-tricalcium phosphate (alpha-TCP): solid state synthesis from different calcium precursors and the hydraulic reactivity**
Cicek G., Aksoy E. A., DURUCAN C., Hasirci N.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.22, no.4, pp.809-817, 2011 (SCI-Expanded)

XIX. **Synthesis of zinc oxide nanoparticles elaborated by microemulsion method**
Yildirim O. A., DURUCAN C.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.506, no.2, pp.944-949, 2010 (SCI-Expanded)

XX. **Effect of Calcination on Microstructure and Antibacterial Activity of Silver-Containing Silica Coatings**
DURUCAN C., Akkopru B.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, no.2, pp.448-458, 2010 (SCI-Expanded)

XXI. **Structural, electrochemical and optical comparisons of tungsten oxide coatings derived from tungsten powder-based sols**
Isik D., AK M., DURUCAN C.
THIN SOLID FILMS, vol.518, no.1, pp.104-111, 2009 (SCI-Expanded)

XXII. **Preparation of Hydroxyapatite-Titania Hybrid Coatings on Titanium Alloy**
Un S., DURUCAN C.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, no.2, pp.574-583, 2009 (SCI-Expanded)

XXIII. **Preparation and microstructure of sol-gel derived silver-doped silica**
Akkopru B., Durucan C.

JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.43, no.2, pp.227-236, 2007 (SCI-Expanded)

XXIV. **Commercial and laboratory prepared titanium dioxide thin films for self-cleaning glasses: Photocatalytic performance and chemical durability**
Mellott N., Durucan C., Pantano C., Guglielmi M.
THIN SOLID FILMS, vol.502, pp.112-120, 2006 (SCI-Expanded)

XXV. **Kinetic model for alpha-tricalcium phosphate hydrolysis**
Durucan C., Brown P.
JOURNAL OF THE AMERICAN CERAMIC SOCIETY, vol.85, no.8, pp.2013-2018, 2002 (SCI-Expanded)

XXVI. **Reactivity of alpha-tricalcium phosphate**
Durucan C., Brown P.
JOURNAL OF MATERIALS SCIENCE, vol.37, no.5, pp.963-969, 2002 (SCI-Expanded)

XXVII. **Biodegradable hydroxyapatite - Polymer composites**
Durucan C., Brown P.
ADVANCED ENGINEERING MATERIALS, vol.3, no.4, pp.227-231, 2001 (SCI-Expanded)

XXVIII. **Calcium-deficient hydroxyapatite-PLGA composites: Mechanical and microstructural investigation**
Durucan C., Brown P.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH, vol.51, no.4, pp.726-734, 2000 (SCI-Expanded)

XXIX. **Low temperature formation of calcium-deficient hydroxyapatite-PLA/PLGA composites**
Durucan C., Brown P.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH, vol.51, no.4, pp.717-725, 2000 (SCI-Expanded)

XXX. **alpha-Tricalcium phosphate hydrolysis to hydroxyapatite at and near physiological temperature**
Durucan C., Brown P.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.11, no.6, pp.365-371, 2000 (SCI-Expanded)

Articles Published in Other Journals

I. **Hydrothermal synthesis of hydroxyapatite from calcium sulfate hemihydrate**
BINGOL O. R., DURUCAN C.
American Journal of Biomedical Sciences, pp.50-59, 2012 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Surface Interactions of DNA and Mononucleotides with Sol-Gel derived Silica Host**
Kapusuz D., Durucan C.
Materials Research Society Fall Meeting,, Massachusetts, United States Of America, 2 - 07 December 2018, pp.22

II. **Synthesis of Selenium-Incorporated Alpha-Tricalcium Phosphate and Evaluation of Its Cement-type Reactivity**
Baştuğ Azer B., Durucan C.
Materials Research Society Fall Meeting, Massachusetts, United States Of America, 2 - 07 December 2018, pp.2222

III. **Synthesis of Manganese-Doped Zinc Oxide Quantum Dots**
ALTINTAŞ YILDIRIM Ö., DURUCAN C.
2017MRS SPRING MEETING EXHIBIT, 17 - 21 April 2017

IV. **Synthesis Manganese Doped Zinc Oxide Nanoparticles**
ALTINTAŞ YILDIRIM Ö., DURUCAN C.
IMMC2016 Int. Metallurgy and Materials Congress, İstanbul, Turkey, 29 June - 01 October 2016, pp.265-267

V. **The effect of copper incorporation on structural optical and magnetic properties of ZnO nanoparticles**
ALTINTAŞ YILDIRIM Ö., DURUCAN C.
2016 MRS Spring Meeting, 28 March - 01 April 2016

VI. **Optoelectronic Properties Of Nickel Oxide Thin Films Elaborated by Sol Gel**
saraç b. e., COŞKUN Ş., ÜNALAN H. E., DURUCAN C.
MRS Fall Meeting' 2015, 29 November - 04 December 2015

VII. **Silver Nanowire Molybdenum Oxide Nanocomposite Electrodes for Flexible Supercapacitors**
YÜKSEL R., COŞKUN Ş., DURUCAN C., ÜNALAN H. E.
MRS Fall Meeting' 2015, 29 November - 04 December 2015

VIII. **Chemical and structural characterization of selenium incorporated hydroxyapatite**
DURUCAN C., ALKAN B.
BIOMED 2015-21st International Biomedical Science and Technology Symposium, Antalya, Turkey, 22 - 24 October 2015

IX. **Fabrication of D-type Fiber Optic Sensors with a Long Interaction Length and Studying Effects of Critical Parameters on Sensor Response**
Guleryuz B., DURUCAN C., Aslan M. M.
Conference on Advanced Environmental, Chemical, and Biological Sensing Technologies XI, Maryland, United States Of America, 5 - 06 May 2014, vol.9106

X. **Investigation of nucleotide immobilization on sol/gel supports using solid-state NMR spectroscopy.**
Fry R., Durucan C., Pantano C., Mueller K.
228th National Meeting of the American-Chemical-Society, Pennsylvania, United States Of America, 22 - 26 August 2004, vol.228

XI. **Investigation of hydroxyl sites in fiberglass materials using solid-state 19F MAS NMR spectroscopy.**
Fry R., Durucan C., Pantano C., Mueller K.
226th National Meeting of the American-Chemical-Society, New-York, United States Of America, 7 - 11 September 2003, vol.226

Supported Projects

DURUCAN C., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, BİOMATEN Altyapısının Geliştirilmesi, 2016 - Continues

DURUCAN C., SEVER H. E., Project Supported by Higher Education Institutions, Kalsiyum Fosfat Çimento Sistemlerinin Eklemeli İmalat Üretim Süreçlerine Uyarlanmasıyla Biyoseramik Implant Geliştirilmesi, 2021 - 2022

DURUCAN C., ÖNDİN N., Project Supported by Higher Education Institutions, Biyomimetik yaklaşımlarıdan esinlenmiş üretim süreçleriyle kalsiyum fosfat esaslı mikroküre ve granül sert doku analoglarının geliştirilmesi, 2021 - 2022

DURUCAN C., Project Supported by Higher Education Institutions, TERAPÖTİK AGENT KATKILI KALSİYUM FOSFAT BİYOSERAMİK TOZ SENTEZİ, 2017 - 2017

DURUCAN C., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2016

DURUCAN C., ATABAY S. E., Project Supported by Higher Education Institutions, Elektronik Soğutma Sistemleri İçin Difüzyonla Bağlama Yöntemiyle Malzeme Üretimi ve Karakterizasyonu, 2015 - 2015

DURUCAN C., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

DURUCAN C., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2015

Hasırcı N., Hasırcı V. N., Durucan C., Tezcaner A., Keskin D., Özen C., Tönük E., Gürses S., Project Supported by Higher Education Institutions, Biyomalzeme ve Doku Mühendisliği Mükemmeliyet Merkezi (BIOMATEN) DPT, 2011 - 2015

DURUCAN C., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Biyomalzeme ve Doku Mühendisliği Mükemmeliyet Merkezi, 2011 - 2015

DURUCAN C., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

DURUCAN C., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

DURUCAN C., Project Supported by Higher Education Institutions, FONSİYONEL ÖZELLİĞİ ARTIRILMIŞ KALSİYUM FOSFAT ESASLI KEMİK ÇİMENTOLARININ GELİŞTİRİLMESİ, 2013 - 2014
DURUCAN C., GÜLERYÜZ B., Project Supported by Higher Education Institutions, NANOYAPILI FİLM İLE KAPLANMIŞ D-TİPİ FİBER OPTİK ALGILAYICILARIN GELİŞTİRİLMESİ, 2013 - 2013
DURUCAN C., ALBAYRAK İ. C., Project Supported by Higher Education Institutions, OPTOELEKTRONİK CİHAZ UYGULAMALARI İÇİN SOL-GEL METODU İLE NİKEL OKSİT İNCE FİLMLERİN GELİŞTİRİLMESİ, 2013 - 2013
DURUCAN C., ALKAN B., Project Supported by Higher Education Institutions, SERAMİK ESASLI GÖZENEKLİ SERT DOKU ANALOGLARININ (GREFTLERİNİN) ÜRETİLMESİ, 2013 - 2013
DURUCAN C., ALKAN G., Project Supported by Higher Education Institutions, KALSİYUM FOSFAT ESASLI KEMİK ÇİMENTOLARININ SENTEZİ VE MEKANİK ÖZELLİKLERİNİN İYİLEŞTİRİLMESİ, 2013 - 2013
TEZCANER A., ÖZEN C., GÜLDİKEN M., KESKİN D., DURUCAN C., ATAOL S., Project Supported by Higher Education Institutions, Kemik Hasarlarının Tedavisine Yönelik Simvastatin Yüklü Mikrotaşıyıcıların Geliştirilmesi Ve Karakterizasyonu, 2012 - 2013
DURUCAN C., Project Supported by Higher Education Institutions, Gümüş-Aşılanmış Çinko Oksit (zno):nanoparçacık Sentesi Ve İnce Film Kaplama Oluşturulması, 2012 - 2012
DURUCAN C., TUBITAK Project, Uyarlanmış sol jel üretim süreçleriyle indiyum kalay oksit ITO kaplamaların geliştirilmesi 109M475, 2010 - 2012
DURUCAN C., Project Supported by Higher Education Institutions, Solüsyon Esaslı Kaplama Teknikleriyle Cam Üstü Şeffaf Ve İletken Oksit (tco) İnce Film Kaplamaları Üretilmesi., 2010 - 2012
DURUCAN C., Project Supported by Higher Education Institutions, Gümüş Katkılı Tio2 Esaslı İnce Filmlerin Sol-Jel Tekniği İle Üretilmesi Ve Fonksiyonel Özelliklerinin İyileştirilmesi., 2011 - 2011
DURUCAN C., Project Supported by Higher Education Institutions, Metal Biyosit Aşılanmış Antibakteriyel Silika Tozların Üretilmesi, 2009 - 2010
DURUCAN C., Project Supported by Higher Education Institutions, Çinko Oksit (zno) Nano Parçacıkların Şekil Kontrollü Olarak Sentezlenmesi, 2009 - 2010

Patent

DURUCAN C., Optical screening system, Patent, CHAPTER A Human Needs, Standard Registration, 2014

Tasks In Event Organizations

Çimenoğlu H., Durucan C., Elçin A. E., Elçin Y. M., Hasırcı N., Hasırcı V. N., Korkusuz F., Korkusuz P., Keskin D., Kök F. N., et al., BIOMED-2021 TR, Scientific Congress, Ankara, Turkey, Aralık 2021

Metrics

Publication: 43
Citation (WoS): 1053
Citation (Scopus): 1267
H-Index (WoS): 19
H-Index (Scopus): 19

Scholarships

TÜBİTAK – 2219 YURT DIŞI DOKTORA SONRASI ARAŞTIRMA BURS PROGRAMI , TUBITAK, 2017 - 2018

Non Academic Experience

Universitat Politècnica de Catalunya, Barcelona, Spain
PENNSYLVANIA STATE UNİVERSITY
PENNSYLVANIA STATE UNİVERSITY