

Prof. ÖZLEM BARAN ACIMERT

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Konstrüksiyon Ve İmalat Anabilim Dalı, Turkey 2007 - 2011

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Konstrüksiyon Ve İmalat Anabilim Dalı, Turkey 2005 - 2007

Undergraduate, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 1998 - 2003

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Education Management and Planning, İş Sağlığı ve İş Güvenliği Birimi Temel İş Güvenliği Eğitimi Katılım Belgesi, Erzincan Üniversitesi, 2014

Other, Universal Mechanical Test System Training Certificate, Anatek Analitik ve Araştırma Cihazları Ltd. Şti., 2014

Other, Scanning Electron Microscope Training Certificate, Anatek Analitik ve Araştırma Cihazları Ltd. Şti., 2014

Other, Instron Fatigue Tester Bluehill 2 Software and Wavematrix Software Training Certificate, INSTRON, 2013

Occupational Health and Safety, İşyeri Hekimliği ve İş Güvenliği Uzmanlığı Eğitici Belgesi, ÇSGB-T.C. Çalışma ve Sosyal Güvenlik Bakanlığı-İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2013

Dissertations

Doctorate, CFUBMS yöntemi ile kaplanmış TiTaBN filmlerin yapısal, mekanik ve tribolojik özelliklerinin araştırılması, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Konstrüksiyon Ve İmalat Anabilim Dalı, 2011

Postgraduate, Kapalı Alan Dengelenmemiş Magnetron Sıçratma(CFUBMS) Yöntemi ile Büyütülmüş MoS₂-Nb Kompozit Filmlerin Farklı Ortamlarda Tribolojik Özelliklerinin Araştırılması, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Konstrüksiyon Ve İmalat Anabilim Dalı, 2007

Research Areas

Mechanical Engineering, Construction and Manufacturing, Tribology, Material, Metallurgical and Materials Engineering,

Material science and engineering, Mechanical Properties, Corrosion and Corrosion Protection, Plating, Material Characterization, Structure-Property Relationship, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2019 - Continues

Assistant Professor, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2018 - 2019

Assistant Professor, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2011 - 2018

Lecturer, Erzincan Binali Yildirim University, Meslek Yüksekokulu, Makine ve Metal Teknolojileri Bölümü, 2007 - 2011

Academic and Administrative Experience

Head of Ethics Committee, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2021 - Continues

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2020 - Continues

Eğitim ve Müfredat Kurulu üyesi, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2019 - Continues

Erzincan Binali Yildirim Üniversitesi, Rektörlük, 2018 - Continues

Erzincan Binali Yildirim Üniversitesi, Rektörlük, İş Sağlığı Ve Güvenliği Uygulama Ve Araştırma Merkezi, 2018 - Continues
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Erzincan Binali Yildirim University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü, 2016 - Continues

Erzincan Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği , 2012 - Continues

Ethics Committee Member, Erzincan Üniversitesi, 2017 - 2021

Erzincan Binali Yildirim Üniversitesi, Meteoroloji Mühendisliği, 2018 - 2018

Erzincan Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği , 2015 - 2017

Erzincan Üniversitesi, Mühendislik Fakültesi, Biyomedikal Mühendisliği, 2013 - 2016

Erzincan Üniversitesi, Mühendislik Fakültesi, 2012 - 2016

Erzincan Üniversitesi, Mühendislik Fakültesi, 2012 - 2016

Erzincan Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği , 2012 - 2015

Erzincan Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği , 2012 - 2015

Erzincan Üniversitesi, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2012 - 2013

Courses

Mühendislik Malzemelerinin Mekanik Özellikleri ve Davranışları, Doctorate, 2021 - 2022, 2020 - 2021

İş Sağlığı ve Güvenliği 2, Undergraduate, 2020 - 2021

Kaplama Teknikleri, Postgraduate, 2021 - 2022

Kaplamaların tribolojisi, Postgraduate, 2020 - 2021, 2019 - 2020

Graduation Project-I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

İmal Usulleri 1, Undergraduate, 2021 - 2022

Bitirme Projesi, Undergraduate, 2020 - 2021

İş Sağlığı ve Güvenliği 1, Undergraduate, 2021 - 2022, 2020 - 2021

İmal Usulleri, Undergraduate, 2020 - 2021, 2019 - 2020

Manufacturing Methods 2, Undergraduate, 2020 - 2021, 2019 - 2020

Makina Ana Tasarım 2, Undergraduate, 2019 - 2020
Makine Ana Tasarım-I, Undergraduate, 2020 - 2021, 2017 - 2018
Makine Laboratuvarı-II, Undergraduate, 2019 - 2020
Makine Laboratuvarı-II, Undergraduate, 2019 - 2020
Bitirme Tezi, Undergraduate, 2019 - 2020
İş Sağlığı Güvenliği ve Müh. Etiği, Undergraduate, 2019 - 2020
Bitirme Projesi-I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Kaplama Teknikleri, Postgraduate, 2019 - 2020
Triboloji, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017
Machine Laboratory, Undergraduate, 2019 - 2020
Dislokasyon Teorisi, Doctorate, 2017 - 2018
İş Güvenliği ve Mühendislik Etiği, Undergraduate, 2017 - 2018
Bitirme Projesi-II, Undergraduate, 2017 - 2018, 2016 - 2017
Malzeme Bilimi ve Mühendisliği, Postgraduate, 2017 - 2018
İmal Usulleri-I, Undergraduate, 2017 - 2018, 2016 - 2017
Makine Ana Tasarım-II, Undergraduate, 2017 - 2018, 2016 - 2017
Malzeme Bilimi ve Mühendisliği, Postgraduate, 2017 - 2018, 2016 - 2017
Teknolojinin Bilimsel İlkeleri, Associate Degree, 2008 - 2009
Makine Bilimi ve Elemanları, Associate Degree, 2008 - 2009
Malzeme Teknolojisi, Associate Degree, 2008 - 2009

Advising Theses

Baran Acimert Ö., INVESTIGATION OF WEAR PROPERTIES OF Al5083/Al2O3 AND Al5083/Al2O3+h-BN COMPOSITES PRODUCED BY FRICTION STIR PROCESS , Postgraduate, T.Sonsuz(Student), 2021
Baran Acimert Ö., THE INVESTIGATION OF EFFECT OF Ta ON ADHESION AND TRIBOLOGICAL PROPERTIES OF TiCN COATINGS, Postgraduate, S.ÇAVLAN(Student), 2020
BARAN Ö., MAGNETRON SIÇRATMA YÖNTEMİ İLE KAPLANMIŞ TİN FİMLERİN YAPISAL, MEKANİK VE TRİBOLOJİK ÖZELLİKLERİ ÜZERİNDE TABAN MALZEME SICAKLIĞININ ETKİSİ, Postgraduate, E.Emre(Student), 2019
BARAN Ö., SÜRTÜNME KARIŞTIRMA PROSESİNİN Al5083 ALAŞIMININ MEKANİK VE TRİBOLOJİK ÖZELLİKLERİNE ETKİSİNİN İNCELENMESİ, Postgraduate, M.SAYGIN(Student), 2019
BARAN Ö., Biyokarbonla güçlendirilmiş PLA'nın üretimi ve tribolojik özelliklerinin incelenmesi, Postgraduate, E.Gökhan(Student), 2018

Jury Memberships

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, August, 2021
Post Graduate, Post Graduate, Erzincan Binali Yıldırım Üniversitesi, July, 2021
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, July, 2021
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2021
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2019
Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, June, 2019
Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2019
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, July, 2018
Academic Staff Examination, Bilim Sınav Jürisi, Erzincan Üniversitesi Mühendislik Fakültesi Termodinamik A.B.D. Bilim Sınavı, December, 2015
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, June, 2015
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, June, 2015
Academic Staff Examination, Bilim Sınav Jürisi, Erzincan Üniversitesi Mühendislik Fakültesi Mekanik A.B.D. Bilim Sınavı,

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Development of a novel hydrothermal process for surface modification of galvanized steel, characterization, and photocatalytic application**
Zorlu R., ÖZDOKUR K. V., BARAN ACIMERT Ö., Demir Z., Çağlar B., ÇIRAK Ç., Koçak S.
Surfaces and Interfaces, vol.51, 2024 (SCI-Expanded)
- II. **Structural, Mechanical and Tribological Properties of Hydroxiapatite Reinforced Ti13Nb13Zr/HA Composite Produced by Friction Stir Process (FSP)**
BARAN ACIMERT Ö., Okur B. B., Dayauç A. K., KÜÇÜKÖMEROĞLU T., Kanca Y.
Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, vol.55, no.4, pp.2739-2749, 2024 (SCI-Expanded)
- III. **Ta Effect on Structural, Mechanical and Tribological Properties of TiCN Coatings**
Baran Acimert Ö., Çavlan S., Keleş Dayauç A., Hopkins L.
Journal of Materials Engineering and Performance, vol.31, no.11, pp.9039-9049, 2022 (SCI-Expanded)
- IV. **GLC effect on mechanical and electrochemical properties of MoS₂ films**
Dayauç A. K., Acimert Ö. B.
International Journal of Surface Science and Engineering, vol.16, no.1, pp.39-51, 2022 (SCI-Expanded)
- V. **The mechanical, corrosion and tribological properties of Al₂O₃ films grown by anodisation and MAO**
Dayauc A. K., Acimert Ö., Şenocak T. Ç.
International Journal of Surface Science and Engineering, vol.16, no.2, pp.105-123, 2022 (SCI-Expanded)
- VI. **Corrosion and tribocorrosion properties of duplex surface treatments consisting of plasma nitriding and DLC coating**
Kovacı H., Bozkurt Y. B., Yetim A., Baran Ö., Çelik A.
Tribology International, vol.156, 2021 (SCI-Expanded)
- VII. **The friction and wear performance of DLC coatings deposited on plasma nitrided AISI 4140 steel by magnetron sputtering under air and vacuum conditions**
Kovacı H., Baran Ö., Yetim A. F., Bozkurt Y. B., Kara L., Çelik A.
SURFACE & COATINGS TECHNOLOGY, vol.349, pp.969-979, 2018 (SCI-Expanded)
- VIII. **Tribological behavior of DLC films and duplex ceramic coatings under different sliding conditions**
Kovacı H., Yetim A. F., Baran Ö., Çelik A.
CERAMICS INTERNATIONAL, vol.44, no.6, pp.7151-7158, 2018 (SCI-Expanded)
- IX. **Investigation of high temperature wear resistance of TiCrAlCN/TiAlN multilayer coatings over M2 steel**
Sukuroglu E. E., Baran Ö., Totik Y., Efeoğlu I.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.32, no.13, pp.1428-1436, 2018 (SCI-Expanded)
- X. **The mechanical and tribological properties of Ti [Nb, V] N films on the Al-2024 alloy**
Baran Ö., Keleş A., Cicek H., Totik Y., Efeoğlu İ.
SURFACE & COATINGS TECHNOLOGY, vol.332, pp.312-318, 2017 (SCI-Expanded)
- XI. **A comparative study of fatigue properties of TiVN and TiNbN thin films deposited on different substrates**
Cicek H., Baran Ö., Keleş A., Totik Y., Efeoğlu İ.
SURFACE & COATINGS TECHNOLOGY, vol.332, pp.296-303, 2017 (SCI-Expanded)
- XII. **Determining the critical loads of V and Nb doped ternary TiN-based coatings deposited using CFUBMS on steels**
Keleş A., Cicek H., Baran Ö., Totik Y., Efeoğlu İ.
SURFACE & COATINGS TECHNOLOGY, vol.332, pp.168-173, 2017 (SCI-Expanded)
- XIII. **Adhesion and fatigue resistance of Ta-doped MoS₂ composite coatings deposited with pulsed-DC magnetron sputtering**

- Baran Ö.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.31, no.11, pp.1181-1195, 2017 (SCI-Expanded)
- XIV. **Influence of plasma nitriding treatment on the adhesion of DLC films deposited on AISI 4140 steel by PVD magnetron sputtering**
Kovacı H., Baran Ö., Bayrak Ö., Yetim A. F., Çelik A.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.31, no.18, pp.2015-2027, 2017 (SCI-Expanded)
- XV. **Fatigue crack growth behavior of DLC coated AISI 4140 steel under constant and variable amplitude loading conditions**
Kovacı H., Yetim A. F., Baran Ö., Çelik A.
SURFACE & COATINGS TECHNOLOGY, vol.304, pp.316-324, 2016 (SCI-Expanded)
- XVI. **Fatigue crack growth analysis of plasma nitrided AISI 4140 low-alloy steel: Part 2-Variable amplitude loading and load interactions**
Kovacı H., Yetim A. F., Baran Ö., Çelik A.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.672, pp.265-275, 2016 (SCI-Expanded)
- XVII. **Fatigue crack growth analysis of plasma nitrided AISI 4140 low-alloy steel: Part 1-constant amplitude loading**
Kovacı H., Yetim A. F., Baran Ö., Çelik A.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.672, pp.257-264, 2016 (SCI-Expanded)
- XVIII. **Mechanical and Tribological Properties of TiTaBN Graded-Composite Coatings Deposited Using the CFUBMS Technique**
BARAN Ö., Efoğlu I., Prakash B.
TRIBOLOGY TRANSACTIONS, vol.59, no.6, pp.1089-1097, 2016 (SCI-Expanded)
- XIX. **The investigation of adhesion and fatigue properties of TiN/TaN multilayer coatings**
Baran Ö., Sukuroglu E. E., Efeoğlu İ., Totik Y.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.30, no.20, pp.2188-2200, 2016 (SCI-Expanded)
- XX. **Adhesion and tribological properties of TiTaBN coatings with a graded interlayer deposited by pulsed DC biased and continuous dc biased magnetron sputtering**
Baran Ö., Efeoğlu İ., Hardell J., Prakash B.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.29, no.18, pp.2006-2019, 2015 (SCI-Expanded)
- XXI. **Investigation of the friction and wear properties of Ti/TiB₂/MoS₂ graded-composite coatings deposited by CFUBMS under air and vacuum conditions**
Baran Ö., Bidev F., Cicek H., Kara L., Efeoğlu İ., Küçükömeroğlu T.
SURFACE & COATINGS TECHNOLOGY, vol.260, pp.310-315, 2014 (SCI-Expanded)
- XXII. **The effect of nitrogen flow rate on TiBN coatings deposited on cold work tool steel**
Cicek H., Baran Ö., Demirci E. E., Tahmasebian M., Totik Y., Efeoğlu İ.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.28, no.12, pp.1140-1148, 2014 (SCI-Expanded)
- XXIII. **Microstructure, Mechanical, and Scratch Resistance Properties of TiAlCrNbN-Graded Composite Coating Deposited on AISI H13 Steel Substrate with Pulsed DC Closed Field Unbalanced Magnetron Sputtering Method**
Kara L., Küçükömeroğlu T., Baran Ö., Efeoğlu İ., Yamamoto K.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.4, pp.2123-2131, 2014 (SCI-Expanded)
- XXIV. **Adhesion and fatigue properties of Ti/TiB₂/MoS₂ graded-composite coatings deposited by closed-field unbalanced magnetron sputtering**
Bidev F., Baran Ö., Arslan E., Totik Y., Efeoğlu İ.
SURFACE & COATINGS TECHNOLOGY, vol.215, pp.266-271, 2013 (SCI-Expanded)
- XXV. **Investigation of wear, corrosion and tribocorrosion properties of AZ91 Mg alloy coated by micro arc oxidation process in the different electrolyte solutions**
Demirci E. E., Arslan E., Ezirmik K. V., Baran Ö., Totik Y., Efeoğlu İ.

THIN SOLID FILMS, vol.528, pp.116-122, 2013 (SCI-Expanded)

- XXVI. **Tribological characteristics of MoS₂-Nb solid lubricant film in different tribo-test conditions**
Efeoğlu İ., Baran O., Yetim F., Altintas S.
SURFACE & COATINGS TECHNOLOGY, vol.203, pp.766-770, 2008 (SCI-Expanded)
- XXVII. **Evaluation of adhesion and fatigue of MoS₂-Nb solid-lubricant films deposited by pulsed-dc magnetron sputtering**
Arslan E., Baran O., Efeoğlu İ., Totik Y.
SURFACE & COATINGS TECHNOLOGY, vol.202, no.11, pp.2344-2348, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Determining Optimum Parameters for Adhesion Properties of Ta-DLC Films Using Taguchi Experimental Design**
Keleş A., Baran Ö., Urvasızoğlu G., Ataol M., Totik Y., Ertaş Ü., Efeoğlu İ.
Brillant Engineering, vol.1, no.1, pp.1-6, 2020 (Peer-Reviewed Journal)
- II. **Processing and Wear Behaviour of 3D Printed PLA Reinforced with Biogenic Carbon**
Ertane E., Dorner-Reisel A., BARAN Ö., Welzel T., Matner V., Svoboda S.
Advances in Tribology, vol.4, pp.1-11, 2018 (Scopus)
- III. **Magnetron Sıçratma Yöntemiyle Kaplanmış TiNbN ve TiVN Filmlerin Mekanik ve Tribolojik Özelliklerinin İncelenmesi**
BARAN Ö.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.7, no.2, pp.181-191, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **METALİK MALZEMELERİN YÜZEYLERİNE YAPILAN İŞLEMLERDE İSG**
BARAN Ö.
in: Elektrik ve Metal İşlerinde İSG, Efeoğlu, İ., Editor, Atatürk Üniversitesi Açıköğretim Fakültesi, Erzurum, pp.50, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **SÜRTÜNME KARIŞTIRMA PROSESİ (SKP) UYGULANARAK ELDE EDİLEN TAKVİYESİZ Ti₁₃Nb₁₃Zr ALAŞIMI VE HİDROKSİAPATİT TAKVİYELİ Ti₁₃Nb₁₃Zr/HA KOMPOZİTİN YAPISAL VE MEKANİK ÖZELLİKLERİ**
OKUR B. B., BARAN ACIMERT Ö., KELEŞ DAYAUÇ A., KÜÇÜKÖMEROĞLU T.
SOCRATES 6TH International Conference on Engineering, Health and Applied Sciences, Rome, Italy, 13 December 2022
- II. **THE ELECTROCHEMICAL PROPERTIES OF ANODIZED LIGHT ALLOYS**
Keleş Dayauç A., Hopkins L., Avcioğlu E., Baran Acimert Ö.
INTERNATIONAL CONFERENCE ON ENGINEERING, NATURAL AND APPLIED SCIENCE 2021 (ICENAS'21), 24 November 2021 - 26 January 2022, pp.12
- III. **Corrosion Resistance of Anodized Aluminum Alloys**
Baran Acimert Ö., Hopkins L., Keleş Dayauç A., Avcioğlu E.
International Conference on Engineering Technologies (ICENTE'2021), Konya, Turkey, 18 - 20 November 2021, pp.335-337
- IV. **Investigation of the Effect of Friction Stir Process Performed in Different Passes on the Tribological Properties of Al-5083**

Baran Acimert Ö., Saygın M., Keleş Dayauç A., Küçükömeroğlu T.

12. KAYNAK TEKNOLOJİSİ ULUSAL KONGRE VE SERGİSİ, Hatay, Turkey, 13 - 15 October 2021

- V. **The effect on mechanical and tribological properties of Al-5083 alloy of Al₂O₃ layer and Al₂O₃/h-BN composite layer produced by Friction Stir Process**
Sert T. S., Baran Acimert Ö., Keleş Dayauç A., Sert Y., Küçükömeroğlu T.
6. Uluslararası Bilimsel Çalışmalar Kongresi, İstanbul, Turkey, 26 - 28 July 2021, pp.678-685
- VI. **TİCN KAPLAMALARIN YAPISAL VE MEKANİK ÖZELLİKLERİNE TA'NIN ETKİSİ**
Çavlan S., BARAN Ö., Keleş A., Efeoğlu İ.
5. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, İstanbul, Turkey, 21 - 22 December 2019, pp.100
- VII. **The Influence of Different Surface Treatment on The Behaviour of Fatigue Crack Growth of AISI 4140 Under Two-stage Block Loading**
Bozkurt Y. B., Kovacı H., Yetim A. F., Baran Ö., Çelik A.
5TH International Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 17 - 19 December 2019, pp.2435
- VIII. **The Structural Properties of Ta Doped DLC Films for the Dental Applications Using HiPIMS**
Efeoğlu İ., BARAN Ö., Urvasızoğlu G., Keleş A., Atatol M., Totik Y., Ertaş Ü.
International Symposium on Advanced Materials and Nanotechnology (ISAMN 2019), Putrajaya, Malaysia, 19 - 20 August 2019, pp.102-105
- IX. **Determination of fracture micromechanics and fracture toughness of plasma nitrided, DLC coated and duplex surface treated AISI 4140 steel**
KOVACI H., YETİM A. F., BARAN Ö., ÇELİK A.
27th Annual International Conference on Composites or Nano Engineering (ICCE-27), Granada, Nicaragua, 14 - 20 July 2019
- X. **The Effect of Cu on Fatigue Properties of TiZrNbN Coatings**
Aghdam H., Keleş A., BARAN Ö., TOTIK Y., EFOGLU I.
International Conference on Metallurgical Coatings and Thin Films, San Diego, United States Of America, 23 - 27 April 2018, pp.35
- XI. **The Mechanical and Tribological Properties of TiZrNbN and TiZrNbN-Cu Films**
EFOGLU I., Aghdam H., Keleş A., BARAN Ö., TOTIK Y.
International Conference on Metallurgical Coatings and Thin Films 2018 (ICMCTF'2018), San Diego, United States Of America, 23 - 27 April 2018, pp.32
- XII. **The Friction and Wear Performance of DLC Coatings Deposited on Plasma Nitrided AISI 4140 Steel by Magnetron Sputtering under Air and Vacuum Conditions**
Kovacı H., BARAN Ö., YETİM A. F., Bozkurt Y., KARA L., ÇELİK A.
International Conference on Metallurgical Coatings and Thin Films 2018 (ICMCTF'2018), San Diego, United States Of America, 23 - 27 April 2018, pp.26
- XIII. **Magnetron Sıçratma Yöntemiyle D2 Soğuk İş Takım Çeliğine Kaplanmış TiN Kaplamaların Adezyon ve Tribolojik Özelliklerine Taban Malzeme Sıcaklığının Etkisi**
BARAN Ö., Bilgin E., KARA L., Keleş A., EFOGLU I.
1st International Symposium on Light Alloys and Composite Materials, Karabük, Turkey, 22 - 24 March 2018, pp.182
- XIV. **Al-5083 Alaşımının Mikroyapısal, Mekanik Ve Tribolojik Özelliklerinin Sürtünme Karıştırma Prosesi ile İyileştirilmesi**
BARAN Ö., Saygın M., KARA L., KUCUKOMEROGLU T.
1st International Symposium on Light Alloys and Composite Materials, Karabük, Turkey, 22 - 24 March 2018, pp.189
- XV. **The Effect of Friction Stir Processing Parameters on The Wear Properties of Al5083 Alloys**
KUCUKOMEROGLU T., KARA L., BARAN Ö., SERT Y.
Balkan TRib'2017 (9th INTERNATIONAL CONFERENCE ON TRIBOLOGY), Nevşehir, Turkey, 13 - 15 September 2017, pp.40

- XVI. **Investigation of the friction and wear behavior of DLC films and duplex plasma nitriding/DLC coatings under different sliding conditions**
Kovacı H., YETİM A. F., BARAN Ö., ÇELİK A.
ICCS 20 (20 th International Conference on Composite Structures), Paris, France, 4 - 07 September 2017, pp.77
- XVII. **Comparing of Adhesion Properties of TiNbVN Coatings Deposited on Different Substrates**
Efeoğlu İ., Totik Y., BARAN Ö., Çiçek H., Keleş A.
International conference on metallurgical coatings and thin films (ICMCTF 2017), San Diego, United States Of America, 24 - 28 April 2017, pp.120
- XVIII. **The Mechanical and Tribological Properties of Ti [Nb, V] N Films on the 2024 Al-alloy**
BARAN Ö., Keleş A., Çiçek H., Totik Y., Efeoğlu İ.
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