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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: GZM-7553-2022

ScopusID: 6603362318

Yoksis Researcher ID: 3490

Education Information

Doctorate, The University of Salford, Faculty Of Engineering, Aeronautical and Mechanical Eng., United Kingdom 1989 - 1993

Postgraduate, Gazi University, Fen Bilimleri, Makine Eğitimi, Turkey 1987 - 1989

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Üretim Mühendisliği, Turkey 1980 - 1983

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Mechanical and tribological properties of ceramic sputter ion-plated coatings, The University of Salford, Engineering Faculty, Aeronautical and Mechanical Engineering, 1993

Postgraduate, Investigation of the powder metallurgy terminology and development of the a multi-language computer program, Gazi Üniversitesi, Fen Bilimleri Enstitüsü, Makine, 1989

Research Areas

Mechanical Engineering, Construction and Manufacturing, Tribology, Machine Design, Material, Aeronautical and Space Engineering, Metallurgical and Materials Engineering, Material science and engineering, Plating, Material Characterization, Nanomaterials, Aeronautical Engineering , Material Technologies, Engineering and Technology

Academic Titles / Tasks

Professor, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2001 - Continues

Associate Professor, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 1996 - 2001

Assistant Professor, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 1994 - 1996

Research Assistant, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 1984 - 1992

Academic and Administrative Experience

Dean, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2024 - Continues

Akılh Yenilikçi Malzeme Odak Alanı Koordinatörü, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2022 - Continues

Lisans Eğitim Komisyon Üyesi, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2020 - Continues

Head of Department, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2020 - Continues

Academic Performance D. Board Member, Ataturk University, Mühendislik Fakültesi, Makine Mühendisliği, 2020 - Continues

Atatürk Üniversitesi, Fen Bilimleri, --, 2012 - 2015

Coordinator of The Rectorate, Ataturk University, Rektörlük, -, 2013 - 2014

Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2008 - 2014

Atatürk Üniversitesi, Ata Teknokent, ---, 2006 - 2010

Atatürk Üniversitesi, Atatürk Üniversitesi, ---, 2004 - 2010

Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, --, 1996 - 2010

Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2002 - 2008

Atatürk Üniversitesi, Mühendislik Fakültesi, Metalurji Mühendisliği, 1996 - 2002

Atatürk Üniversitesi, Mühendislik Fakültesi, --, 1998 - 2001

Atatürk Üniversitesi, Üsigem, --, 1997 - 2001

Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1995 - 1997

Courses

Doctorate

KATI İNCE FİLM TRİBOLOJİSİ, Doctorate, 2023 - 2024

Danışmanlık, Doctorate, 2022 - 2023

Uzmanlık Alan Dersi (V ve VII), Doctorate, 2021 - 2022

Uzmanlık Alan Dersi, Doctorate, 2022 - 2023

YÜZEY MÜHENDİSLİĞİ, Doctorate, 2020 - 2021

Yüzey Mühendisliği, Doctorate, 2019 - 2020

Katı İnce Film Tribolojisi, Doctorate, 2020 - 2021

Kaplama Teknikleri, Doctorate, 2013 - 2014

Postgraduate

Malzemelerin Mikroyapısal Karakterizasyonu, Postgraduate, 2023 - 2024

MALZEME BİLİMİ SEM ve XRD, Postgraduate, 2022 - 2023

Danışmanlık (Y. L.), Postgraduate, 2021 - 2022

Danışmanlık (YL), Postgraduate, 2022 - 2023

Danışmanlık (YL), Postgraduate, 2021 - 2022

Mazlemelerin Mikroyapısal Karakterizasyonu , Postgraduate, 2022 - 2023

Uzmanlık Alan Dersi (II, III ve IV), Postgraduate, 2022 - 2023

Malzeme Bilimi için SEM ve XRD, Postgraduate, 2020 - 2021

Malzemelerin Mikroyapısal Karakterizasyon Teknikleri, Postgraduate, 2020 - 2021

Malzemelerin Mikroyapısal Karakterizasyon Teknikleri, Postgraduate, 2019 - 2020

Malzeme Bilimi için SEM ve XRD, Postgraduate, 2017 - 2018

Wear of Materials, Postgraduate, 2016 - 2017

Teknoloji ve AR&GE Yönetimi, Postgraduate, 2016 - 2017

Microstructural Characterization of Materials, Postgraduate, 2014 - 2015

İleri Microscopic Teknikler, Postgraduate, 2014 - 2015

Undergraduate

Seçmeli Tasarım II, Undergraduate, 2022 - 2023

Proje Tasarım Esasları, Undergraduate, 2022 - 2023

Mühendislik Malzemeleri, Undergraduate, 2022 - 2023

Malzeme Bilimi, Undergraduate, 2023 - 2024

Mühendislik Malzemeleri, Undergraduate, 2022 - 2023

Proje Tasarım Esasları, Undergraduate, 2022 - 2023

Mesleki İngilizce I, Undergraduate, 2023 - 2024

Proje Tasarım Esasları, Undergraduate, 2022 - 2023

Bitirme Projesi II, Undergraduate, 2021 - 2022

Makine Mühendisliği Seçmeli Tasarım II, Undergraduate, 2021 - 2022

Mühendislik Malzemeleri, Undergraduate, 2021 - 2022

Proje Tasarım Esasları, Undergraduate, 2021 - 2022

Malzeme Bilimi, Undergraduate, 2021 - 2022

Bitirme Projesi-II, Undergraduate, 2019 - 2020

Mühendislik Malzemeleri, Undergraduate, 2019 - 2020

Makine Ana Seçmeli Tasarım-II, Undergraduate, 2019 - 2020

Mühendislik Malzemeleri, Undergraduate, 2019 - 2020

Malzeme Bilimi, Undergraduate, 2020 - 2021

Makine Ana Seçmeli Tasarım-II, Undergraduate, 2019 - 2020

Malzeme Bilimi, Undergraduate, 2020 - 2021

Proje Tasarım Esasları, Undergraduate, 2019 - 2020

Bitirme Projesi-II, Undergraduate, 2019 - 2020

Bitirme Projesi-I, Undergraduate, 2020 - 2021

Makine Ana Tasarım-I, Undergraduate, 2020 - 2021

Proje Tasarım Esasları, Undergraduate, 2019 - 2020

Makine Ana Tasarım, Undergraduate, 2020 - 2021

Bitirme Projesi-I, Undergraduate, 2020 - 2021

Engineering Materials, Undergraduate, 2016 - 2017

Girişimcilik-I-II, Undergraduate, 2016 - 2017

Supervised Theses

Efeoğlu İ., Bor esaslı CN kaplamalarının sentezi ve tribolojik özelliklerin araştırılması, Postgraduate, G.GÜLTEN(Student), Continues

Efeoğlu İ., TiZrNbCuN ve TiZrNbN nanokompozit ince filminin sentezlenmesi: yapısal - mekanik - tribolojik özelliklerinin araştırılması, Doctorate, H.AHMAD(Student), 2021

Efeoğlu İ., Kara- deniz silah sistemleri için fonksiyonel kaplamaların geliştirilmesi, Postgraduate, N.AKSAKALLI(Student), 2021

Efeoğlu İ., Bor esaslı fonksiyonel nanokompozit ince film sentezlenmesi: yapısal - mekanik - tribolojik özelliklerinin araştırılması, Doctorate, A.KELEŞ(Student), 2019

EFEOĞLU İ., TiNbTa/CrYN Yüksek Sıcaklık Termal Bariyer İnce Film Sentezlenmesi: Yüksek Sıcaklık Mekanik ve Tribolojik Özelliklerinin Araştırılması, Doctorate, M.Tahmasabian(Student), 2016

EFEOĞLU İ., TiNi Türü Şekil Hafızalı Kaplama Filmin Sentezlenmesi, Özelliklerinin Araştırılması ve Tipik MEMS Uygulaması, Doctorate, H.Çiçek(Student), 2015

EFEOĞLU İ., VN İnce Seramik Film Sentezlenmesi: Yapısal ve Tribolojik Özelliklerin İncelenmesi, Postgraduate, H.A. (Student), 2014

EFEOĞLU İ., TiAlN/TiCrN Çok Tabakalı Kompozit İnce Film Büyütülmesi ve Tribolojik Özelliklerin Araştırılması,

Postgraduate, Ç.Laloğlu(Student), 2013
EFEOĞLU İ., Ti-DLC Kaplama Filmlerin Sentezlenmesi ve Tribolojik Özelliklerin Araştırılması, Postgraduate, K.Kurucu(Student), 2013
EFEOĞLU İ., Çok Tabakalı CrN:AlN Nano Yapılı Kompozit Filmin Tribolojik Özelliklerinin Araştırılması, Postgraduate, A.Kadir(Student), 2011
EFEOĞLU İ., Manyetik Alanda Sıçratma ile Büyütülen (Ti-Ta-B)N Kaplamaların Mekanik ve Tribolojik Özelliklerinin Araştırılması, Doctorate, Ö.Baran(Student), 2011
EFEOĞLU İ., TiBN Kaplama İnce Filmin Yapısal ve Mekanik Özelliklerinin Araştırılması, Postgraduate, H.Çiçek(Student), 2009
EFEOĞLU İ., Kapalı-alan dengelenmemiş magnetron sıçratma (CFUBMS) yöntemi ile büyütülmüş MoS₂-Nb nano yapıdaki kompozit filmlerin farklı ortamlarda tribolojik özelliklerinin araştırılması, Postgraduate, Ö.Baran(Student), 2007
EFEOĞLU İ., 304L paslanmaz çelik üzerine DLC (diamond-like carbon) kaplanması ve mekanik-tribolojik özelliklerin araştırılması, Postgraduate, M.Mustafa(Student), 2006
EFEOĞLU İ., Darbeli-dc manyetik alanda sıçratma yöntemi ile kaplanan TiB₂ ve Me-DLC filmlerin mekanik, yapısal ve tribolojik özelliklerin araştırılması, Doctorate, F.Bülbül(Student), 2006
EFEOĞLU İ., MoS₂-Ti kompozit ince filmin farklı çelik türleri üzerine PVD ile kaplanması: Mekanik, Tribolojik, Yapısal Özelliklerinin Karakterizasyonu, Doctorate, E.Arslan(Student), 2003
EFEOĞLU İ., Darbeli-DC güç kaynağı kullanılarak CFUBMSIP ile büyütülmüş MoS₂-Ti kompozit filmlerin yapısal, tribolojik ve mekanik özelliklerinin karakterizasyonu, Postgraduate, F.Bülbül(Student), 2002
EFEOĞLU İ., Nitrid seramik kaplamaların yüksek sıcaklıklarda oksidasyon davranışının incelenmesi, Postgraduate, V.Ezirmik(Student), 2000
EFEOĞLU İ., Seramik filmlerin ısı işlemleri mikroyapı ve difüzyon derecesi ilişkisi, Postgraduate, E.Arslan(Student), 1997
EFEOĞLU İ., Metal alaşımı seramik filmlerde mikroyapı ve yapısal değişimlerin ısı işlemle olan ilişkisinin araştırılması, Postgraduate, Y.Totik(Student), 1997

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Friction and corrosion characterization and parametric optimization of Nb-doped hydrogenated amorphous carbon (a-C:H) thin films**
Efeoğlu İ., Totik Y., Gülten G., Yaylalı B., Yeşilyurt M., Parvin B. G.
Surface and Coatings Technology, vol.498, 2025 (SCI-Expanded)
- II. **Production of TiNi/Ti₂AlN Multilayer Films with Different Numbers of Layers and Evolution of Tribological and Adhesion Properties**
Duran S., Çiçek H., Yılmaz A. M., EFEOĞLU İ.
Advanced Engineering Materials, 2025 (SCI-Expanded)
- III. **Adhesion and friction-wear characterization of W-doped hydrogenated diamond-like carbon (a-C:H) coatings**
Efeoğlu İ., Totik Y., Gülten G., Yaylalı B., Yeşilyurt M.
Surface and Coatings Technology, vol.495, 2025 (SCI-Expanded)
- IV. **Nb-doped hydrogenated diamond-like carbon coated biodiesel injectors material: Synthesis, structure and properties**
EFEOĞLU İ., Maleque M. A., GÜLTEN G., YEŞİLYURT M., YAYLALI B., TOTİK Y., Kalam M. A., Hassan M. H., Zulkifli N. W.
Diamond and Related Materials, vol.149, 2024 (SCI-Expanded)
- V. **Investigation of hardness, tribological and adhesion properties of TiAlNiVN HEA films heat treated at different temperatures**
Yılmaz A. M., Çiçek H., Duran S., GÜLTEN G., EFEOĞLU İ.
Tribology International, vol.197, 2024 (SCI-Expanded)
- VI. **Corrosion and adhesion properties of MAO-coated LA91 magnesium alloy**
Sukuroglu S., Sukuroglu E. E., TOTİK Y., GÜLTEN G., EFEOĞLU İ., Avci S.

Materials Science and Technology (United Kingdom), vol.40, no.8, pp.616-632, 2024 (SCI-Expanded)

- VII. **Fatigue and tensile behaviour of Ti plus TiN plus Ti plus TiVN multilayer nitride films coated on AZ91 magnesium alloy by closed field unbalanced magnetron sputtering**
Alibeyoglu F., KARABUDAK F., YEŞİLDAL R., Balci A., EFEOĞLU İ., Ates O. K.
MATERIALS RESEARCH EXPRESS, vol.11, no.6, 2024 (SCI-Expanded)
- VIII. **Application of honeycomb pattern to Ti₂AlN MAX phase films by plasma etching**
Duran S., Çiçek H., Korkmaz İ. H., EFEOĞLU İ.
Applied Physics A: Materials Science and Processing, vol.130, no.5, 2024 (SCI-Expanded)
- IX. **Pulsed-dc bias magnetron sputtered TiB₂ ceramic coating**
Bulbul F., EFEOĞLU İ.
International Journal of Refractory Metals and Hard Materials, vol.120, 2024 (SCI-Expanded)
- X. **Effect of Nb and V doped elements on the mechanical and tribological properties of CrYN coatings**
Gülten G., Yaylalı B., Efeoğlu İ., Totik Y., Kelly P., Kulczyk-Malecka J.
Surface and Coatings Technology, vol.477, 2024 (SCI-Expanded)
- XI. **The effect of different annealing temperatures on the mechanical and tribological properties of the Ti₂AlN MAX phase films**
Cakir M., Cicek H., Duran S., Yilmaz A. M., GÜLTEN G., EFEOĞLU İ.
Surface Engineering, vol.40, no.2, pp.157-167, 2024 (SCI-Expanded)
- XII. **Influence of Nb and Ta on the corrosion and mechanical properties of CrYN coatings**
Yaylalı B., Gülten G., Efeoğlu İ., Totik Y., Kelly P., Kulczyk-Malecka J.
Surface and Coatings Technology, vol.476, 2024 (SCI-Expanded)
- XIII. **Effect of thermal oxidation on structural and tribological properties of MoS₂ films**
Cicek H., Gozubuyuk O., EFEOĞLU İ.
LUBRICATION SCIENCE, vol.35, no.2, pp.144-154, 2023 (SCI-Expanded)
- XIV. **Investigating the structure, adhesion and tribological properties of Al and Zr-doped TiN coatings with various substrate bias voltage and working pressure**
SERT Y., KÜÇÜKÖMEROĞLU T., EFEOĞLU İ.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, vol.235, no.6, pp.1190-1202, 2021 (SCI-Expanded)
- XV. **Structure and adhesion properties of TiNi/MoS₂ coatings**
Cicek H., Akar O. C., EFEOĞLU İ.
CERAMICS INTERNATIONAL, vol.47, no.10, pp.14033-14040, 2021 (SCI-Expanded)
- XVI. **Tribological Properties of TiNi/MoS₂ Functional Coatings**
Cicek H., Akar O. C., EFEOĞLU İ.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.30, no.5, pp.3632-3641, 2021 (SCI-Expanded)
- XVII. **Hardness, Adhesion, and Wear Performance of Duplex Treatment Coatings of Nitride/TiAlZrN with Different Zr Target Currents**
SERT Y., KÜÇÜKÖMEROĞLU T., KAHRAMANZADE H., EFEOĞLU İ.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.30, no.1, pp.638-651, 2021 (SCI-Expanded)
- XVIII. **Effects of voltage on the components of surface integrity of Al₂O₃ ceramic coatings on AA2024 by plasma electrolytic oxidation**
Matin R., Totik Y., Şüküroğlu E. E., Efeoğlu İ., Santos T. G.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.34, no.18, pp.1971-1981, 2020 (SCI-Expanded)
- XIX. **Characterization of Thin Film Boron Nitride Coatings and Observation of Graphite-Like Boron Nitride**
Durkaya G., Efeoğlu İ., Ersoy K., Cetin B., Kurtuldu H.
ACTA PHYSICA POLONICA A, vol.135, no.4, pp.743-745, 2019 (SCI-Expanded)
- XX. **The adhesion and tribological properties of c-BN films deposited by high power impulse magnetron sputtering**
Efeoğlu İ., Totik Y., Keleş A., Gulten G., Ersoy K., Durkaya G.
Ceramics International, vol.45, no.3, pp.3000-3006, 2019 (SCI-Expanded)

- XXI. **The adhesion and tribological properties of c-BN films deposited by high power impulse magnetron sputtering**, *Ceramics International*, **45**, (3), 3000-3006, 2019
EFEOĞLU İ., TOTİK Y., KELEŞ A., GÜLTEN G., Ersoy K., DURKAYA G.
CERAMICS INTERNATIONAL, vol.45, pp.3000-3006, 2019 (SCI-Expanded)
- XXII. **Adhesion and multipass scratch characterization of Ti:Ta-DLC composite coatings**
Cicek H., KELEŞ A., TOTİK Y., EFEOĞLU İ.
DIAMOND AND RELATED MATERIALS, vol.83, pp.80-86, 2018 (SCI-Expanded)
- XXIII. **Investigation of high temperature wear resistance of TiCrAlCN/TiAlN multilayer coatings over M2 steel**
Sukuroglu E. E., BARAN Ö., TOTİK Y., EFEOĞLU İ.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.32, no.13, pp.1428-1436, 2018 (SCI-Expanded)
- XXIV. **The mechanical and tribological properties of Ti [Nb, V] N films on the Al-2024 alloy**
BARAN Ö., KELEŞ A., Cicek H., TOTİK Y., EFEOĞLU İ.
SURFACE & COATINGS TECHNOLOGY, vol.332, pp.312-318, 2017 (SCI-Expanded)
- XXV. **Determining the critical loads of V and Nb doped ternary TiN-based coatings deposited using CFUBMS on steels**
KELEŞ A., Cicek H., BARAN Ö., TOTİK Y., EFEOĞLU İ.
SURFACE & COATINGS TECHNOLOGY, vol.332, pp.168-173, 2017 (SCI-Expanded)
- XXVI. **A comparative study of fatigue properties of TiVN and TiNbN thin films deposited on different substrates**
Cicek H., BARAN Ö., KELEŞ A., TOTİK Y., EFEOĞLU İ.
SURFACE & COATINGS TECHNOLOGY, vol.332, pp.296-303, 2017 (SCI-Expanded)
- XXVII. **The effect of TiO₂ coating on biological NiTi alloys after micro-arc oxidation treatment for corrosion resistance**
Sukuroglu E. E., Sukuroglu S., AKAR K., TOTİK Y., EFEOĞLU İ., ARSLAN E.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, vol.231, no.8, pp.699-704, 2017 (SCI-Expanded)
- XXVIII. **The effect of plasma electrolytic oxidation process parameters on the tribocorrosion properties of TiO₂ coatings**
Sukuroglu E. E., FARZI H., Sukuroglu S., TOTİK Y., ARSLAN E., EFEOĞLU İ.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.31, no.12, pp.1361-1373, 2017 (SCI-Expanded)
- XXIX. **Fatigue and adhesion properties of martensite and austenite phases of TiNi shape memory thin films deposited by magnetron sputtering**
Cicek H., EFEOĞLU İ.
SURFACE & COATINGS TECHNOLOGY, vol.308, pp.174-181, 2016 (SCI-Expanded)
- XXX. **Synergistic effect of bias and target currents for magnetron sputtered MoS₂-Ti composite films**
Bulbul F., Efeoglu I.
MATERIALS TESTING, vol.58, no.5, pp.471-474, 2016 (SCI-Expanded)
- XXXI. **The investigation of adhesion and fatigue properties of TiN/TaN multilayer coatings**
BARAN Ö., Sukuroglu E. E., EFEOĞLU İ., TOTİK Y.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.30, no.20, pp.2188-2200, 2016 (SCI-Expanded)
- XXXII. **A low temperature in-situ crystalline TiNi shape memory thin film deposited by magnetron sputtering**
Cicek H., EFEOĞLU İ., TOTİK Y., EZİRMİK K. V., ARSLAN E.
SURFACE & COATINGS TECHNOLOGY, vol.284, pp.90-93, 2015 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **The effect of nitrogen flow rate on TiBN coatings deposited on cold work tool steel**
Cicek H., BARAN Ö., DEMIRCI E. E., TAHMASEBIAN M., TOTİK Y., EFEOĞLU İ.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.28, no.12, pp.1140-1148, 2014 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **Plain and fretting fatigue behavior of Ti6Al4V alloy coated with TiAlN thin film**
Yildiz F., Yetim A. F., ALSARAN A., ÇELİK A., Kaymaz I., EFEOĞLU İ.
TRIBOLOGY INTERNATIONAL, vol.66, pp.307-314, 2013 (SCI-Expanded)
- XXXVIII. **Adhesion and fatigue properties of Ti/TiB₂/MoS₂ graded-composite coatings deposited by closed-field unbalanced magnetron sputtering**
BIDEV F., BARAN Ö., ARSLAN E., TOTİK Y., EFEOĞLU İ.
SURFACE & COATINGS TECHNOLOGY, vol.215, pp.266-271, 2013 (SCI-Expanded)
- XXXIX. **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., EZİRMİK K. V., BARAN Ö., TOTİK Y., EFEOĞLU İ.
THIN SOLID FILMS, vol.528, pp.116-122, 2013 (SCI-Expanded)
- XL. **Wear and adhesion resistance of duplex coatings deposited on Ti6Al4V alloy using MAO and CFUBMS**
ARSLAN E., TOTİK Y., DEMIRCI E. E., EFEOĞLU İ.
SURFACE & COATINGS TECHNOLOGY, vol.214, pp.1-7, 2013 (SCI-Expanded)
- XLI. **The investigation of the tribocorrosion properties of DLC coatings deposited on Ti6Al4V alloys by CFUBMS**
ARSLAN E., TOTİK Y., EFEOĞLU İ.
PROGRESS IN ORGANIC COATINGS, vol.74, no.4, pp.768-771, 2012 (SCI-Expanded)
- XLII. **STRESS-RELIEF SOLUTIONS FOR BRITTLE TiB₂ COATINGS**
Bulbul F., EFEOĞLU İ.
SURFACE REVIEW AND LETTERS, vol.19, no.4, 2012 (SCI-Expanded)
- XLIII. **Comparison of structure and tribological properties of MoS₂-Ti films deposited by biased-dc and pulsed-dc**
ARSLAN E., TOTİK Y., EFEOĞLU İ.
PROGRESS IN ORGANIC COATINGS, vol.74, no.4, pp.772-776, 2012 (SCI-Expanded)
- XLIV. **Tribological properties of composite multilayer coating**
GEBRETSADIK D., HARDELL J., EFEOĞLU İ., PRAKASH B.
Tribology - Materials, Surfaces and Interfaces, vol.5, no.3, pp.100-106, 2011 (SCI-Expanded)
- XLV. **Corrosion behaviour of Ti DLC deposition on prenitrided 316L stainless steel and Ti-6Al-4V alloy**
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