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Post Address: Mühendislik Fakültesi Makine Müh. Böl.

Education Information

Doctorate, The University Of Salford, Faculty Of Engineering, Aero. And Mechanical Eng., United Kingdom 1989 - 1993

Post Graduate, Gazi Üniversitesi, Fen Bilimleri, Makine Eğitimi, Turkey 1987 - 1989

Under Graduate, Gazi Üniversitesi, 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, Aero And Mechanical Engineerin, 1993

Post Graduate, 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, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2001 - Continues

Associate Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1996 - 2001

Assistant Professor, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1994 - 1996

Research Assistant, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1984 - 1992

Professional Experience

Director of The Institution, Atatürk Üniversitesi, Fen Bilimleri, --, 2012 - 2015

Head of Department, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2008 - 2014

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

Ethics Committee Member, Atatürk Üniversitesi, Atatürk Üniversitesi, ---, 2004 - 2010

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

Head of Department, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 2002 - 2008

Deputy Head of Department, Atatürk Üniversitesi, Mühendislik Fakültesi, Metalurji Mühendisliği, 1996 - 2002

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

Board Member, Atatürk Üniversitesi, Üsigem, --, 1997 - 2001

Deputy Head of Department, Atatürk Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği, 1995 - 1997

Courses

Malzeme Bilimi için SEM ve XRD, Post Graduate, 2017 - 2018

Yüzey Mühendisliği, Doctorate, 2017 - 2018

Malzeme Bilimi, Under Graduate, 2017 - 2018

Makine AnaTasarım, Under Graduate, 2017 - 2018

Engineering Materials, Under Graduate, 2016 - 2017

Wear of Materials, Post Graduate, 2016 - 2017

Teknoloji ve AR&GE Yönetimi, Post Graduate, 2016 - 2017

Girişimcilik-II, Under Graduate, 2016 - 2017

Microstructural Characterization of Materials, Post Graduate, 2014 - 2015

İleri Microscopic Teknikler, Post Graduate, 2014 - 2015

Kaplama Teknikleri, Doctorate, 2013 - 2014

Advising Theses

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

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

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

EFEÖĞLU İ., Ti-DLC Kaplama Filmlerin Sentezlenmesi ve Tribolojik Özelliklerin Araştırılması, Post Graduate, K.Kurucu(Student), 2013

EFEÖĞLU İ., TiAlN/TiCrN Çok Tabakalı Kompozit İnce Film Büyütülmesi ve Tribolojik Özelliklerin Araştırılması, Post Graduate, Ç.Laloğlu(Student), 2013

EFEÖĞLU İ., Çok Tabakalı CrN:AlN Nano Yapılı Kompozit Filmin Tribolojik Özelliklerinin Araştırılması, Post Graduate, A.Kadir(Student), 2011

EFEÖĞLU İ., Manyetik Alanda Sıçratma ile Büyütülen (Ti-Ta-B)N Kaplamaların Mekanik ve Tribolojik Özelliklerinin Araştırılması, Doctorate, Ö.Baran(Student), 2011

EFEÖĞLU İ., TiBN Kaplama İnce Filmin Yapısal ve Mekanik Özelliklerinin Araştırılması, Post Graduate, H.Çiçek(Student), 2009

EFEÖĞLU İ., Kapalı-alan dengelenmemiş magnetron sıçratma (CFUBMS) yöntemi ile büyütülmüş MoS₂-Nb nano yapıdaki kompozit filmlerin farklı ortamlarda tribolojik özelliklerinin araştırılması, Post Graduate, Ö.Baran(Student), 2007

EFEÖĞLU İ., 304L paslanmaz çelik üzerine DLC (diamond-like carbon) kaplanması ve mekanik-tribolojik özelliklerin araştırılması, Post Graduate, M.Mustafa(Student), 2006

EFEÖĞLU 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

EFEÖĞLU İ., MoS₂-Ti kompozit ince filmin farklı çelik türleri üzerine PVD ile kaplanması: Mekanik, Tribolojik, Yapısal Özelliklerinin Karakterizasyonu, Doctorate, E.Arslan(Student), 2003

EFEÖĞLU İ., Darbeli-DC güç kaynağı kullanılarak CFUBMSIP ile büyütülmüş MoS₂-Ti kompozit filmlerin yapısal, tribolojik ve mekanik özelliklerinin karakterizasyonu, Post Graduate, F.Bülbül(Student), 2002

EFEÖĞLU İ., Nitrür seramik kaplamaların yüksek sıcaklıklarda oksidasyon davranışının incelenmesi, Post Graduate, V.Ezirmik(Student), 2000

EFEÖĞLU İ., Metal alaşımı seramik filmlerde mikroyapı ve yapısal değişimlerin ısı işlemle olan ilişkisinin araştırılması, Post Graduate, Y.Totik(Student), 1997

EFEÖĞLU İ., Seramik filmlerin ısı işlemleri mikroyapı ve difüzyon derecesi ilişkisi, Post Graduate, E.Arslan(Student), 1997

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

- **Characterization of Thin Film Boron Nitride Coatings and Observation of Graphite-Like Boron Nitride**
Durkaya G., Efeoglu I., Ersoy K., Cetin B., Kurtuldu H.
ACTA PHYSICA POLONICA A, vol.135, pp.743-745, 2019 (Journal Indexed in SCI)
- **The adhesion and tribological properties of c-BN films deposited by high power impulse magnetron sputtering**
EFEOĞLU İ., TOTİK Y., KELEŞ A., Gulden G., Ersoy K., DURKAYA G.
CERAMICS INTERNATIONAL, vol.45, pp.3000-3006, 2019 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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, pp.1428-1436, 2018 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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, pp.699-704, 2017 (Journal Indexed in SCI)
- **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, pp.1361-1373, 2017 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **Synergistic effect of bias and target currents for magnetron sputtered MoS₂-Ti composite films**
Bulbul F., Efeoglu I.
MATERIALS TESTING, vol.58, pp.471-474, 2016 (Journal Indexed in SCI)
- **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, pp.2188-2200, 2016 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
- **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, pp.2006-2019, 2015 (Journal Indexed in SCI)
- **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 (Journal Indexed in SCI)
 - **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, pp.1140-1148, 2014 (Journal Indexed in SCI)
 - **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, pp.2123-2131, 2014 (Journal Indexed in SCI)
 - **Plain and fretting fatigue behavior of Ti6Al4V alloy coated with TiAlN thin film**
 Yıldız F., Yetim A. F. , ALSARAN A., ÇELİK A., Kaymaz I., EFEOĞLU İ.
 TRIBOLOGY INTERNATIONAL, vol.66, pp.307-314, 2013 (Journal Indexed in SCI)
 - **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 (Journal Indexed in SCI)
 - **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 (Journal Indexed in SCI)
 - **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 (Journal Indexed in SCI)
 - **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, pp.768-771, 2012 (Journal Indexed in SCI)
 - **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, pp.772-776, 2012 (Journal Indexed in SCI)
 - **STRESS-RELIEF SOLUTIONS FOR BRITTLE TiB₂ COATINGS**
 Bulbul F., EFEOĞLU İ.
 SURFACE REVIEW AND LETTERS, vol.19, 2012 (Journal Indexed in SCI)
 - **Tribological properties of composite multilayer coating**
 GEBRETSADIK D., HARDELL J., EFEOĞLU İ., PRAKASH B.
 Tribology - Materials, Surfaces and Interfaces, vol.5, pp.100-106, 2011 (Journal Indexed in SCI)
 - **Corrosion behaviour of Ti DLC deposition on prenitrided 316L stainless steel and Ti-6Al-4V alloy**
 YETİM A., ALSARAN A., ÇELİK A., EFEOĞLU İ.
 CORROSION ENGINEERING SCIENCE AND TECHNOLOGY, vol.46, pp.439-444, 2011 (Journal Indexed in SCI)
 - **Deposition and Adhesion Characterization of Ti(BN:MoS₂) Based Composite Thin Films Prepared by Closed-Field Unbalanced Magnetron Sputtering**
 YETİM A. F. , EFEOĞLU İ., ÇELİK A., Alsaran A., Kaymaz I.
 JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.25, pp.1497-1505, 2011 (Journal Indexed in SCI)
 - **The wear behaviour of duplex treated AISI 5140 steel**
 TOTİK Y., Alsaran A., ÇELİK A., EFEOĞLU İ.
 INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.63, pp.344-349, 2011 (Journal Indexed in SCI)
 - **MoS₂-Ti composite films having (002) orientation and low Ti content**

Bulbul F., EFEOĞLU İ.

CRYSTALLOGRAPHY REPORTS, vol.55, pp.1177-1182, 2010 (Journal Indexed in SCI)

- **Multipass scratch test behaviour of TiAlN thin film deposited on 316L stainless steel and Ti6Al4V alloy with dc biased and pulsed magnetron sputtering**
YILDIZ F., ALSARAN A., ÇELİK A., EFEOĞLU İ.
SURFACE ENGINEERING, vol.26, pp.578-583, 2010 (Journal Indexed in SCI)
- **Effect of annealing on adhesion of TiB₂ films deposited by pulsed magnetron sputtering**
ARSLAN E., TOTİK Y., ÇELİK A., EFEOĞLU İ.
SURFACE ENGINEERING, vol.26, pp.567-570, 2010 (Journal Indexed in SCI)
- **The effect of TiC transient layer on a DLC-based functionally gradient coating prepared by closed field unbalanced magnetron sputtering plating system**
Bulbul F., EFEOĞLU İ.
METALS AND MATERIALS INTERNATIONAL, vol.16, pp.573-580, 2010 (Journal Indexed in SCI)
- **Effect of R600a on tribological behavior of sintered steel under starved lubrication**
Sariibrahimoglu K., Kızıl H., Aksit M. F. , EFEOĞLU İ., KERPICCI H.
TRIBOLOGY INTERNATIONAL, vol.43, pp.1054-1058, 2010 (Journal Indexed in SCI)
- **Characterization of Ti-CN-a:C films prepared by pulsed-dc bias sputtering**
Bulbul F., EFEOĞLU İ.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY, vol.224, pp.677-684, 2010 (Journal Indexed in SCI)
- **High temperature friction and wear behavior of MoS₂/Nb coating in ambient air**
ARSLAN E., TOTİK Y., BAYRAK O. Ü. , EFEOĞLU İ., ÇELİK A.
JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, vol.7, pp.131-137, 2010 (Journal Indexed in SCI)
- **High temperature wear behavior of aluminum oxide layers produced by AC micro arc oxidation**
ARSLAN E., TOTİK Y., DEMİRCİ E., Vangolu Y., ALSARAN A., EFEOĞLU İ.
Surface and Coatings Technology, vol.204, pp.829-833, 2009 (Journal Indexed in SCI Expanded)
- **Wear and corrosion behaviour of various surface treated medical grade titanium alloy in bio-simulated environment**
YILDIZ F., YETİM A., ALSARAN A., EFEOĞLU İ.
WEAR, vol.267, pp.695-701, 2009 (Journal Indexed in SCI)
- **CHARACTERIZATION OF TiB₂ COATING ADHERENCE BY A MULTI-PASS SCRATCH TESTING**
TOTİK Y., ARSLAN E., EFEOĞLU İ., Kaymaz I.
SURFACE REVIEW AND LETTERS, vol.16, pp.329-335, 2009 (Journal Indexed in SCI)
- **Tribological characteristics of MoS₂-Nb solid lubricant film in different tribo-test conditions**
EFEOĞLU İ., Baran O., YETİM F., Altintas S.
SURFACE & COATINGS TECHNOLOGY, vol.203, pp.766-770, 2008 (Journal Indexed in SCI)
- **Evaluation of adhesion and fatigue of MoS₂-Nb solid-lubricant films deposited by pulsed-dc magnetron sputtering**
ARSLAN E., BARAN O., EFEOĞLU İ., TOTİK Y.
SURFACE & COATINGS TECHNOLOGY, vol.202, pp.2344-2348, 2008 (Journal Indexed in SCI)
- **A comparative study: The effect of surface treatments on the tribological properties of Ti-6Al-4V alloy**
YETİM A., ALSARAN A., EFEOĞLU İ., ÇELİK A.
SURFACE & COATINGS TECHNOLOGY, vol.202, pp.2428-2432, 2008 (Journal Indexed in SCI)
- **Deposition and characterization of a multilayered-composite solid lubricant coating**
Efeoglu I.
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- **The effect of bias voltage and working pressure on S/Mo ratio at MoS₂-Ti composite films**
BULBUL F., Efeoglu I., Arslan E.
APPLIED SURFACE SCIENCE, vol.253, pp.4415-4419, 2007 (Journal Indexed in SCI)
- **Fatigue behaviour of duplex treated AISI 316L stainless steel**
Celik A., ARSLAN Y., YETİM A. F. , Efeoglu I.
KOVOLVE MATERIALY-METALLIC MATERIALS, vol.45, pp.35-40, 2007 (Journal Indexed in SCI)
- **Co-sputtered Mo : S : C : Ti : B based coating for tribological applications**

Efeoglu I.

SURFACE & COATINGS TECHNOLOGY, vol.200, pp.1724-1730, 2005 (Journal Indexed in SCI)

- **The investigation of structural, mechanical and tribological properties of plasma nitrocarburized AISI 1020 steel**

Celik A., Karakan M., ALSARAN A., Efeoglu I.

SURFACE & COATINGS TECHNOLOGY, vol.200, pp.1926-1932, 2005 (Journal Indexed in SCI)

- **The effect of deposition parameters and Ti content on structural and wear properties of MOS₂-Ti coatings**

Arslan E., BULBUL F., ALSARAN A., Celik A., Efeoglu I.

WEAR, vol.259, pp.814-819, 2005 (Journal Indexed in SCI)

- **Effect of crystallographic orientation on the friction and wear properties of Mo_xSy-Ti coatings by pulsed-dc in nitrogen and humid air**

Efeoglu I., BULBUL F.

WEAR, vol.258, pp.852-860, 2005 (Journal Indexed in SCI)

- **Effect of heat treatment of TiN films deposited by CFUBMS**

Arslan E., Efeoglu I.

MATERIALS CHARACTERIZATION, vol.53, pp.29-34, 2004 (Journal Indexed in SCI)

- **Optimization of coating parameters for duplex treated AISI 5140 steel**

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MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.371, pp.141-148, 2004 (Journal Indexed in SCI)

- **The structural and tribological properties of MoS₂-Ti composite solid lubricants**

Arslan E., BULBUL F., Efeoglu I.

TRIBOLOGY TRANSACTIONS, vol.47, pp.218-226, 2004 (Journal Indexed in SCI)

- **Study on compound layer formed during plasma nitrocarburizing of AISI 5140 steel**

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JOURNAL OF MATERIALS SCIENCE LETTERS, vol.22, pp.1759-1761, 2003 (Journal Indexed in SCI)

- **An investigation of the relationship between heat treatment and microstructure in (TiAlV)N and (TiAl)N ceramic films**

Totik Y., Efeoglu I., Gavgali M., Sadeler R.

MATERIALS CHARACTERIZATION, vol.47, pp.55-60, 2001 (Journal Indexed in SCI)

- **Mechanical and structural properties of AISI 8620 steel TiN coated, nitrided and TiN coated plus nitrided**

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- **Microstructure and structural behavior of ion-nitrided AISI 8620 steel**

Celik A., Efeoglu I., SAKAR G.

MATERIALS CHARACTERIZATION, vol.46, pp.39-44, 2001 (Journal Indexed in SCI)

- **Multi-pass sub-critical load testing of titanium nitride coatings**

Efeoglu I., ARNELL R.

THIN SOLID FILMS, vol.377, pp.346-353, 2000 (Journal Indexed in SCI)

- **DEPOSITION OF WEAR-RESISTANT COATINGS BASED ON DIAMOND-LIKE CARBON BY UNBALANCED MAGNETRON SPUTTERING**

MONAGHAN D., TEER D., LOGAN P., EFEUGLU I., ARNELL R.

SURFACE & COATINGS TECHNOLOGY, vol.60, pp.525-530, 1993 (Journal Indexed in SCI)

- **DEPOSITION OF GRADED ALLOY NITRIDE FILMS BY CLOSED FIELD UNBALANCED MAGNETRON SPUTTERING**

MONAGHAN D., TEER D., LAING K., EFEUGLU I., ARNELL R.

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- **THE EFFECT OF THE CONDITION OF THE SCRATCH DIAMOND ON MEASURED CRITICAL LOADS**

ARNELL R., EFEUGLU I.

VACUUM, vol.44, pp.805-807, 1993 (Journal Indexed in SCI)

- **ION-ASSISTED CVD OF GRADED DIAMOND-LIKE CARBON (DLC) BASED COATINGS**

MONAGHAN D., TEER D., ARNELL R., EFEUGLU I., AHMED W.

JOURNAL DE PHYSIQUE IV, vol.3, pp.579-587, 1993 (Journal Indexed in SCI)

- **THE MECHANICAL AND TRIBOLOGICAL PROPERTIES OF TITANIUM ALUMINUM NITRIDE COATINGS FORMED IN A 4 MAGNETRON CLOSED-FIELD SPUTTERING SYSTEM**

EFEÖĞLU İ., ARNELL R., TINSTON S., TEER D.

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Articles Published in Other Journals

- **Determining Optimum Parameters for Adhesion Properties of Ta-DLC Films Using Taguchi Experimental Design**

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Bor Dergisi, vol.2, pp.11-17, 2017 (Other Refereed National Journals)

Book & Book Chapters

- **in: Makine Mühendisliğine Giriş**

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- **The Structural Properties of Ta Doped DLC coatings for the Dental Applications Using HiPIMS**

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- **EKAP Yöntemi ile AA7075 Alaşımının Sertlik ve Mikroyapısal Özelliklerinin Araştırılması**

YILMAZ T. A. , TOTİK Y., LÜLE ŞENÖZ G. M. , ŞENOCAK T. Ç. , EFEÖĞLU İ.

The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia / TURKEY (IMSMATEC 2019), 21 - 23 June 2019

- **Investigation of Hardness and Microstructural Properties of AA7075 Alloy by ECAP Method**

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- **Titanyum Alařımlarının DLC Kaplama Sonrası Tribokorozyon Özelliklerinin Arařtırılması**
TOTİK Y., řükürođlu E. E. , řükürođlu S., Efeođlu İ.
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- **Titanyum Alařımlarının DLC Kaplama Sonrası Tribokorozyon Özelliklerinin Arařtırılması**
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15:Uluslararası Korozyon Sempozyumu, Hatay, Turkey, 26 - 29 September 2018, pp.1-5
- **Investigation of mechanical and tribological properties of BCN thin films**
TOTİK Y., Gülten G., Efeođlu İ., Keleř A., Ersoy K., Durkaya G.
SATF15, İzmir, Turkey, 21 - 25 September 2018, pp.1-5
- **Titanyum Biyo Malzemelerin Tribokorozyon Özelliklerinin Arařtırılması**
TOTİK Y., řükürođlu E. E. , řükürođlu S., Efeođlu İ., Baran Ö.
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15:Uluslararası Korozyon Sempozyumu, Hatay, Turkey, 21 - 25 September 2018, pp.1-5
- **The Mechanical and Tribological Properties of TiZrNbN and TiZrNbN-Cu Films**
EFEÖĐLU İ., Ahmad AGHDAM H., KELEř A., BARAN Ö., TOTİK Y.
The International Conference on Metallurgical Coatings and Thin Films (ICMCTF), San Diego, United States Of America, 23 - 27 April 2018, pp.87
- **The Mechanical and Tribological Properties of TiZrNbN and TiZrNbN-Cu Films**
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The International Conference on Metallurgical Coatings and Thin Films (ICMCTF), San Diego, United States Of America, 23 - 27 April 2018, pp.87
- **The Effect of Cu on Fatigue Properties of TiZrNbN Coatings on Cutting Tool Material**
Ahmad AGHDAM H., KELEř A., BARAN Ö., TOTİK Y., EFEÖĐLU İ.
The International Conference on Metallurgical Coatings and Thin Films (ICMCTF), San Diego, United States Of America, 23 - 27 April 2018, pp.93
- **The Effect of Cu on Fatigue Properties of TiZrNbN Coatings on Cutting Tool Material**
Ahmad AGHDAM H., KELEř A., BARAN Ö., TOTİK Y., EFEÖĐLU İ.
The International Conference on Metallurgical Coatings and Thin Films (ICMCTF), San Diego, United States Of America, 23 - 27 April 2018, pp.93
- **Magnetron Sıçratma Yöntemiyle D2 Sođuk İř Takım Çeliđine Kaplanmıř TiN Kaplamaların Adezyon ve Tribolojik Özelliklerine Taban Malzeme Sıcaklıđının Etkisi**
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- **Comparison of Functional Composite Thin Films Deposited by CFUBMS-PVD Using Different Power Sources**
EFEÖĐLU İ., TOTİK Y., KELEř A.
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018, pp.242-243
- **Toz Metalurjisi Yöntemiyle Üretilmiř AA7075 Taban Malzeme Üzerine Kaplanan MoS₂-TiB₂ Kompozit Filmin Yapısal, Mekanik ve Tribolojik Özelliklerinin Arařtırılması**
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- **Investigation of adhesionfetigue properties of Micro-Arc Oxidation Coatings on AZ91 Magnesium Alloys**

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- **The Effect of TiO₂ Coatings on NiTi Alloys After MAO Treatment for Corrosion Resistance**
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- **Friction and Wear Characteristics of Me-DLC Coatings Under Different Tribotest Conditions**
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- **The Tribological Properties of TiAlN TiCrN Multilayer Coatings Produced by CFUBMS**

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- **The Friction and Wear Properties at Room Temperature and Vacuum Atmosphere of Ti/TiB₂/MoS₂ Graded-Composite Coatings Deposited by CFUBMS**

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- **Structural, Mechanical and Tribological Properties of VN Thin Films Fabricated by PVD**

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• **Influence of Unipolar and Bipolar Voltage Modes on Corrosion Resistance of Cp-Ti Alloy coated by using Micro-arc Oxidation Process**

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• **Structural, Mechanical and Tribological Properties of TiTaBN Composite Graded Coatings Deposited by CFUBMS Technique**

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Baran Ö., EFEOĞLU İ., Prakash B.

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• **İnsan vücudunda kullanılan farklı implantlara uygulanan biyomekanik testler ve ülkemizin biyomekanik test ihtiyacına genel bir bakış**

KOVACI H., BAYRAK O. Ü. , HACISALİHOĞLU I., VANGÖLÜ S. Y. , ALBAYRAK C., BARAN O., ALSARAN A., ÇELİK A., KAYMAZ İ., EFEOĞLU İ., et al.

IV. Ulusal Tıbbi Cihazlar İmalat Sanayi Kongre ve Sergisi, Samsun, Turkey, 23 - 24 September 2011, pp.39-45

• **İnsan vücudunda kullanılan farklı implantlara uygulanan biyomekanik testler ve ülkemizin biyomekanik test ihtiyacına genel bir bakış**

KOVACI H., BAYRAK O. Ü. , HACISALİHOĞLU I., VANGÖLÜ S. Y. , ALBAYRAK C., BARAN O., ALSARAN A., ÇELİK A., KAYMAZ İ., EFEOĞLU İ., et al.

IV. Ulusal Tıbbi Cihazlar İmalat Sanayi Kongre ve Sergisi, Samsun, Turkey, 23 - 24 September 2011, pp.39-45

- **Studies on Coatings Process of Solid Lubricants: Growth and Characterization of MoS₂ (Ti/Nb) Coatings” (Invated)**
EFEOĞLU İ.
1st International Surface Treatment Symposium, İstanbul, Turkey, 15 - 18 June 2011, pp.1
- **Studies on Coatings Process of Solid Lubricants: Growth and Characterization of MoS₂ (Ti/Nb) Coatings” (Invated)**
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- **Phase Transformation of MoS₂-Nb Composite Films at the High Temperatures**
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Hardell J., EFEOĞLU İ., Prakash B.
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- **The investigation of Scratch Behavior of Composed Structured TiBN Hard Films Deposited on Cold Work Tool Steel at The Different Nitrogen Rates**
Çiçek H., Baran Ö., TOTİK Y., ARSLAN E., EFEOĞLU İ.
ICMCTF10, 37th Int. Conf. on Metallurgical Coatings and Thin Films, San Diego, United States Of America, 26 - 30 April 2010, pp.1
- **Tribological Properties in Different Test Conditions of Thin Films TiTaBN Deposited by CFUBMS**
Baran Ö., EFEOĞLU İ., Prakash B.
ICMCTF10, 37th Int. Conf. on Metallurgical Coatings and Thin Films, San Diego, United States Of America, 26 - 30 April 2010, pp.1
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EFEOĞLU İ., Baran Ö., Prakash B.
ICMCTF10, 37th Int. Conf. on Metallurgical Coatings and Thin Films, San Diego, United States Of America, 26 - 30 April 2010, pp.1
- **Optimization of Micro Arc Oxidation Processes for Corrosion Resistance of Ti6Al4V Alloys by Using Taguchi Method**
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EFEOĞLU İ., Baran Ö., Prakash B.
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