Prof. HAKAN ÇETİNEL

Personal Information

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Education

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 1997 - 2004
Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Turkey 1993 - 1997
Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Turkey 1987 - 1993

Foreign Languages

English

Dissertations

Doctorate, Fracture behaviour welded nodular cast iron, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2004
Postgraduate, An Investigation of the effect of variable parameters on the material quality in tempcore process, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 1997

Research Areas

Avesis Research Areas: Engineering and Technology
WoS Research Areas: Engineering Computing & Technology (Eng)

Academic Positions

Professor, Balikesir University, Mühendislik Fakültesi, Makine Mühendisliği, 2019 - 2024
Associate Professor, University of Oxford, Materials, Energy Materials, 2012 - 2012
Lecturer PhD, The University of Manchester, Manchester Materials Science Centre, Materials, 2009 - 2009
Lecturer PhD, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2005 - 2009
Research Assistant PhD, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Makine Mühendisliği, 2004 - 2005
Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 1999 -

2004
Lecturer PhD, University of Manchester Institute of Science and Technology (UMIST), Manchester Materials Science Centre, Materials, 2000 - 2001
Research Assistant, University of Manchester Institute of Science and Technology (UMIST), Materials Science Centre, Materials, 1999 - 1999
Research Assistant, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 1993 - 1999

Academic and Administrative Experience

Head of Department, Manisa Celal Bayar University, Mühendislik Ve Doğa Bilimleri Fakültesi, Makine Mühendisliği, 2025 - Present
Head of Department, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2024 - Present
Deputy Head of Department, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2011 - 2012
Member of the Faculty Board, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2009 - 2012
Faculty Academic Council Member, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2009 - 2009
Head of Department, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, MAKİNE MÜHENDİSLİĞİ, 2009 - 2009

Courses

Doctorate
Failure Analysis, Doctorate, 2025 - 2026
Failure Analysis, Doctorate, 2024 - 2025
Fracture Mechanics and Fatigue, Doctorate, 2023 - 2024
Postgraduate
Fracture Mechanics, Postgraduate, 2025 - 2026
Undergraduate
Machine Elements II, Undergraduate, 2025 - 2026
Machine Elements II, Undergraduate, 2025 - 2026
Üretim Yöntemleri, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
Malzeme Seçimi, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024
Malzeme Seçimi, Undergraduate, 2024-2025
İleri İmalat Yöntemleri, Undergraduate, 2021-2022, 2020-2021
İş Sağlığı ve Güvenliği I, Undergraduate, 2021-2022
Hidrolik ve Pnömatik, Undergraduate, 2021-2022, 2020-2021
Malzeme Seçimi, Undergraduate, 2021-2022
Teknik Resim, Undergraduate, 2020-2021
İş Sağlığı ve Güvenliği II, Undergraduate, 2020-2021
Makine Laboratuvarı II, Undergraduate, 2020-2021
İmalat Yöntemleri, Undergraduate, 2019-2020
Makine Laboratuvarı I, Undergraduate, 2019-2020
Metallere Plastik Şekil Verme, Undergraduate, 2019-2020
Undergraduate Minor

METAL MATRİSLİ KOMPOZİT MALZEMELER, Undergraduate Minor, 2015-2016, 2014-2015, 2013-2014, 2012-2013, 2011-2012, 2010-2011, 2009-2010, 2008-2009, 2007-2008, 2006-2007, 2005-2006
KIRILMA MEKANİĞİ, Undergraduate Minor, 2015-2016, 2014-2015, 2013-2014, 2012-2013, 2011-2012, 2010-2011, 2009-2010
Endüstriyel Metal Kaplama Teknikleri, Undergraduate Minor, 2009-2010, 2008-2009, 2007-2008, 2006-2007, 2005-2006

Undergraduate Double Major

Kırılma Mekaniği, Undergraduate Double Major, 2024-2025
Endüstride Malzeme Seçimi, Undergraduate Double Major, 2021-2022, 2020-2021
Kırılma Mekaniği ve Yorulma, Undergraduate Double Major, 2021-2022, 2020-2021
Hasar Analizi, Undergraduate Double Major, 2020-2021, 2019-2020

Supervised Theses

Çetinel H., Değişken cam elyaf dizilimli izolatörlerde mekanik ve dielektrik özelliklerinin incelenmesi, Doctorate, S.İLHAN(Student), 2025
ÇETİNEL H., Al2O3 parçacık takviye oranının ve sinterleme parametrelerinin alüminyum kompozitlerinin aşınma davranışına etkisi, Postgraduate, M.ARABACI(Student), 2024
ÇETİNEL H., AlSi5 ve AlSi12 kaynak telleriyle birleştirilen Al6061 alüminyum alaşımında indüksiyon ısıl işlemi etkilerinin incelenmesi, Postgraduate, Y.EMRE(Student), 2024
ÇETİNEL H., Demir dışı metallerden dövme yöntemi ile el aleti üretimi, Postgraduate, A.EREN(Student), 2016
ÇETİNEL H., T/M yöntemi ile üretilen katman içeren, çok katmanlı kompozit zırh plakalarının balistik dayanımının incelenmesi, Doctorate, M.AYVAZ(Student), 2016
ÇETİNEL H., Toz metalurjisi ile üretilen demir esaslı malzemelerde borlamanın mekanik özelliklere etkisi, Postgraduate, D.ÖZAYDIN(Student), 2015
ÇETİNEL H., TiN/TiAlN kaplanmış sverker 21 ile nitrasyon yapılmış ve TiN/TiAlN kaplanmış toolox 44 malzemelerin aşınma performanslarının karşılaştırılması, Postgraduate, E.ÖZKEKLİK(Student), 2013
ÇETİNEL H., Yeni bir tampon ortamında Ti6Al4V alaşımlarının üzerine biriktirilen hidroksiapatit kaplamaların kırılma ve aşınma davranışlarının incelenmesi, Doctorate, İ.AYDIN(Student), 2013
ÇETİNEL H., İki farklı alüminyum alaşımının,tıg kaynak yöntemi kullanılarak,iki farklı elektrot teli ile kaynatılması ve mekanik özelliklerinin incelenmesi, Postgraduate, M.AYVAZ(Student), 2010
ÇETİNEL H., Kaynaklı çelik konstrüksiyonda oluşan kısa yorulma çatlakları, Postgraduate, T.ERTUĞRUL(Student), 2009
ÇETİNEL H., T/M yöntemiyle üretilmiş pompa dişlilerinde gerilme analizleri, Postgraduate, B.YILMAZ(Student), 2008

Articles

I. **Investigation of mechanical properties in variable oriented glass fiber reinforced insulators**
Bilgin S. İ., Çetinel H., Yalçın .
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, vol.16, no.3, pp.707-715, 2025 (Peer-Reviewed Journal)

II. **Ballistic performance of powder metal Al5Cu-B4C composite as monolithic and laminated armor**
AYVAZ M., ÇETİNEL H.
Materialpruefung/Materials Testing, vol.63, no.6, pp.512-518, 2021 (SCI-Expanded, Scopus)

III. **Mechanical properties of Al-Cu/B4C and Al-Mg/B4C metal matrix composites**
AYVAZ M., ÇETİNEL H.
Materialpruefung/Materials Testing, vol.63, no.4, pp.350-355, 2021 (SCI-Expanded, Scopus)

IV. **Fracture behavior of various welded steels**
Ozdemir T. E., ÇETİNEL H., UYULGAN B.
Materialpruefung/Materials Testing, vol.58, no.2, pp.102-108, 2016 (SCI-Expanded, Scopus)

V. **Fracturing and adhesion behavior of hydroxyapatite formed by a citric acid and sodium citrate buffer system**
Aydin İ., ÇETİNEL H., Pasinli A., Yuksel M.
Materialpruefung/Materials Testing, vol.58, no.2, pp.140-145, 2016 (SCI-Expanded, Scopus)

VI. **Microstructure and Mechanical Properties of AA 5083 and AA 6061 Welds Joined with AlSi5 and AlSi12 Wires**
Cetine H., AYVAZ M.
MATERIALS TESTING, vol.56, no.10, pp.884-890, 2014 (SCI-Expanded, Scopus)

VII. **The effect of aging parameters and roughness on the wear properties of aluminum alloy 6082**
ÇETİNEL H., AYVAZ M.
Materialpruefung/Materials Testing, vol.56, no.11-12, pp.988-993, 2014 (SCI-Expanded, Scopus)

VIII. **Investigation of nucleation and grain growth in 2-dimensional systems by using generalized Monte Carlo simulations**
ÇETİNEL H., Kayacan O., Ozaydin D.
Physica A: Statistical Mechanics and its Applications, vol.392, no.18, pp.4121-4126, 2013 (SCI-Expanded, Scopus)

IX. **Flexural strength and defect behaviour of polygranular graphite under different states of stress**
Mostafavi M., McDonald S., ÇETİNEL H., Mummery P., Marrow T.
Carbon, vol.59, pp.325-336, 2013 (SCI-Expanded, Scopus)

X. **Stress analyses of pump gears produced by powder metallurgy**
ÇETİNEL H., Yilmaz B.
Materialpruefung/Materials Testing, vol.55, no.5, pp.369-373, 2013 (SCI-Expanded, Scopus)

XI. **Preparation of hydroxyapatite coating by using citric acid sodium citrate buffer system in the biomimetic procedure**
Aydin İ., ÇETİNEL H., Pasinli A., Yuksel M.
Materialpruefung/Materials Testing, vol.55, no.10, pp.782-788, 2013 (SCI-Expanded, Scopus)

XII. **The artificial neural network based prediction of friction properties of Al 2O 3-TiO 2 coatings**
ÇETİNEL H.
Industrial Lubrication and Tribology, vol.64, no.5, pp.288-293, 2012 (SCI-Expanded, Scopus)

XIII. **Effect of constraint on fracture behavior of welded 17mn4 and aisi304 steels**
UYULGAN B., ÇETİNEL H., Aksoy T.
Journal of Mechanical Science and Technology, vol.25, no.9, pp.2171-2177, 2011 (SCI-Expanded, Scopus)

XIV. **Determination of fatigue and fracture properties of welded various steels by using finite element method**
ÖZDEMİR T. E., ÇETİNEL H., UYULGAN B.
Makine Teknolojileri Elektronik Dergisi (elektronik), vol.7, no.4, pp.1-11, 2010 (TRDizin)

XV. **The effect of undermatching on crack tip constraint in a welded structure of nodular irons**
ÇETİNEL H., Aksoy T.
Journal of Materials Processing Technology, vol.198, no.1-3, pp.183-190, 2008 (SCI-Expanded, Scopus)

XVI. **Tribological behavior of Cr2O3 coatings as bearing materials**
ÇETİNEL H., Celik E., Kusoglu M. I.
Journal of Materials Processing Technology, vol.196, no.1-3, pp.259-265, 2008 (SCI-Expanded, Scopus)

XVII. **Fracture behavior of overmatched ductile iron weldment**
ÇETİNEL H.
Zeitschrift fuer Metallkunde/Materials Research and Advanced Techniques, vol.98, no.2, pp.128-136, 2007 (SCI-Expanded, Scopus)

XVIII. **Nonextensive treatment of nucleation and growth in a thin layer**
ÇETİNEL H., Kayacan O.
Physica A: Statistical Mechanics and its Applications, vol.374, no.1, pp.263-271, 2007 (SCI-Expanded, Scopus)

XIX. **Artificial neural network-based prediction technique for wear loss quantities in Mo coatings**
ÇETİNEL H., ÖZTÜRK H., Çelik E., Karlik B.
Wear, vol.261, no.10, pp.1064-1068, 2006 (SCI-Expanded, Scopus)

XX. **Wear behavior of flame-sprayed Al2O3 -TiO2 coatings on plain carbon steel substrates**
Kusoglu I. M., ÇELİK E. F., ÇETİNEL H., Ozdemir I., Demirkurt O., Onel K.
Surface and Coatings Technology, vol.200, no.1-4 SPEC. ISS., pp.1173-1177, 2005 (SCI-Expanded, Scopus)

XXI. **A nonextensive statistical approach to the kinetics of phase transformation**
Kayacan O., ÇETİNEL H.
Physica A: Statistical Mechanics and its Applications, vol.348, pp.223-235, 2005 (SCI-Expanded, Scopus)

XXII. **The effect of yield strength mismatch on the fracture behavior of welded nodular cast iron**
ÇETİNEL H., UYULGAN B., Aksoy T.
Materials Science and Engineering: A, vol.387-389, no.1-2 SPEC. ISS., pp.357-360, 2004 (SCI-Expanded, Scopus)

XXIII. **Wear properties of functionally gradient layers on stainless steel substrates for high temperature applications**
ÇETİNEL H., UYULGAN B., Tekmen C., Ozdemir I., ÇELİK E.
Surface and Coatings Technology, vol.174-175, pp.1089-1094, 2003 (SCI-Expanded, Scopus)

XXIV. **Friction and wear properties of Mo coatings on cast-iron substrates**
UYULGAN B., ÇETİNEL H., Ozdemir I., Tekmen C., Okumus S., ÇELİK E.
Surface and Coatings Technology, vol.174-175, pp.1082-1088, 2003 (SCI-Expanded, Scopus)

XXV. **Effects on performance of Cr2O3 layers produced on Mo/cast-iron materials**
ÇELİK E., Tekmen C., Ozdemir I., ÇETİNEL H., Karakas Y., Okumus S.
Surface and Coatings Technology, vol.174-175, pp.1074-1081, 2003 (SCI-Expanded, Scopus)

XXVI. **Fatigue crack nuclei in austempered ductile cast iron**
Marrow T., ÇETİNEL H., Al-Zalmah M., Macdonald S., Withers P., Walton J.
Fatigue and Fracture of Engineering Materials and Structures, vol.25, no.7, pp.635-648, 2002 (SCI-Expanded, Scopus)

XXVII. **Artificial neural networks modeling of mechanical property and microstructure evolution in the Tempcore process**
ÇETİNEL H., Özyiğit H., Özsoyeller L.
Computers and Structures, vol.80, no.3-4, pp.213-218, 2002 (SCI-Expanded, Scopus)

XXVIII. **Finite element based prediction of the microstructural evolution of steels subjected to the Tempcore process**
ÇETİNEL H., Toparli M., Özsoyeller L.
Mechanics of Materials, vol.32, no.6, pp.339-347, 2000 (SCI-Expanded, Scopus)

XXIX. **Short fatigue cracks in austempered ductile cast iron (ADI)**
Marrow T., ÇETİNEL H.
Fatigue and Fracture of Engineering Materials and Structures, vol.23, no.5, pp.425-434, 2000 (SCI-Expanded, Scopus)

Books

I. **Mechanical Characteristics of AA5083 - AA6013 Weldment Joined with AlSi12 and AlSi5 Wires**
Ayvaz M., Çetinel H.
in: Advanced Structured Materials, Andreas Öchsner,Lucas F. M. da Silva,Holm Altenbach, Editor, Springer-Verlag , Berlin, pp.100-110, 2013

II. **Heat Treatments of Steel Bars for Reinforced Concrete**
ÇETİNEL H.
Lambert Academic Puplishing, 2010

III. **Fracture Behavior of Welded Ductile Iron**
ÇETİNEL H.
Lambert Academic Puplishing, 2010

Papers Presented at Peer-Reviewed Scientific Conferences

I. **TIG Kaynak Yöntemiyle AA 5083 ve AA 2024 Alüminyum alaşımlarının Kaynağı ve Mekanik Özelliklerinin Belirlenmesi**
ÇETİNEL H., AYVAZ M.
3rd International Conference on Welding Technologies and Exhibition, Turkey, 21 May 2014, (Full Text)

II. **AA 5083 ve AA 7075 Alüminyum Alaşımlarının TIG Kaynak Yöntemi ile Birleştirilmesi ve Mekanik Özelliklerin İncelenmesi**
ÇETİNEL H., AYVAZ M.
3rd International Conference on Welding Technologies and Exhibition, Turkey, 21 May 2014, (Full Text)

III. **Investigation of Microstructural And Mechanical Properties of AA5083 - AA6061 Weldment Joined with ASsi5 And AlSi12 Wires**
ÇETİNEL H., AYVAZ M.
3rd International Conference on Welding Technologies and Exhibition, Turkey, 21 May 2014, (Full Text)

IV. **Determination of Mechaical Properties of AA5083 and AA 7075 TIG Weldment**
ÇETİNEL H., AYVAZ M.
3rd International Conference on Welding Technologies and Exhibition, Manisa, Turkey, 21 - 23 May 2014, (Full Text)

V. **Investigation of Microstructural and Mechanical Properties of AA5083 - AA6061 Weldment joined with AlSi5 and AlSi12 Wires**
ÇETİNEL H., AYVAZ M.
3rd International Conference on Welding Technologies and Exhibition, Manisa, Turkey, 21 May 2014, (Full Text)

VI. **Determination of Mechaical Properties of AA5083 and AA 2024 TIG Weldment**
ÇETİNEL H., AYVAZ M.
3rd International Conference on Welding Technologies and Exhibition, Manisa, Turkey, 14 May 2014, (Full Text)

VII. **INVESTIGATION OF HYDROXYAPATITE (HA) COATINGS WEAR BEHAVIOUR CREATED ON THE SURFACE OF Ti6AL4V MATERIALS AFTER DIFFERENT ACTIVATION PROCEDURES**
AYDIN İ., ÇETİNEL H., PASİNLİ A.
1 St International Porous and Powder Materials Symposium and Exhibition (PPM 2013), İzmir, Turkey, 03 September 2013, (Full Text)

VIII. **Effects of The Projectıle Shape on the Ballıstıc Resıstance of the AA6061-T6**
ÇETİNEL H., AYVAZ M.
4th International Conference on Mathematical and Computational Applications, Turkey, 11 - 13 June 2013, (Full Text)

IX. **Effects of the Projectile Shape on the Ballistic Resistance of the AA6061-T6**
AYVAZ M., ÇETİNEL H.
4th International Conference on Mathematical and Computational Applications, Manisa, Turkey, 03 June 2013, vol.1, pp.417-423, (Full Text)

X. **Determination of fracture toughness of calcium phosphate coatings deposited onto Ti6Al4V substrate by using indentation technique**
AYDIN İ., ÇETİNEL H., Pasinli A.
2nd International Advances in Applied Physics and Materials Science Congress, APMAS 2012, Antalya, Turkey, 26 - 29 April 2012, vol.1476, pp.321-326, (Full Text)

XI. **Determination of the fatigue life of welded various steels by using finite element method**
ÇETİNEL H.
4th International Conference on Crack Paths, Gaeta, Italy, 19 September 2012, (Full Text)

XII. **Mechanical Characteristics of AA5083 - AA6013 Weldment Joined with AlSi12 and AlSi5 Wires**
AYVAZ M., ÇETİNEL H.
6th International Conference on Advanced Computational Engineering and Experimenting, İstanbul, Turkey, 02 July 2012, (Full Text)

XIII. **Investigation of fracture toughness of calcium phosphate coating treated onto Ti6Al4V subsrate**

AYDIN İ., ÇETİNEL H., PASİNLİ A.
3rd International Symposium on Sustainable Development, Sarajevo, Bosnia And Herzegovina, 31 May - 01 June 2012, (Full Text)

XIV. **Investigation of Nucleation and Grain Growth by Using 3-Dimensional Generalized Monte Carlo Algorithms**
ÇETİNEL H.
12th International Symposium on Physics of Materials, Prag, Czech Republic, 04 September 2011, (Full Text)

XV. **Investigation of Nucleation and Grain Growth in 2dimensional Systems by Using Generalized Monte Carlo Simulations**
ÇETİNEL H.
International Symposium on Physics of Materials, Prag, Czech Republic, 04 September 2011, (Full Text)

XVI. **Investigation of nucleation and growth behavior of amorphous Si crystallites in a thin layer between two amorphous SiOx interfaces by nonextensive approach for transformation process**
ÇETİNEL H.
International Conference on Complexity, Metastability and Nonextensivity, Catania, Italy, 01 May 2007, (Full Text)

XVII. **The Effect Of Undermatching On Stress Triaxiality Around Crack Tip**
ÇETİNEL H.
7th International Fracture Conference, Kocaeli, Turkey, 19 October 2005, vol.1, pp.35-44, (Full Text)

XVIII. **Wear Behavior of Flame Sprayed Al2O3-TiO2 Coatings on Plain Carbon Steel Substrates**
ÇETİNEL H., KUŞOĞLU İ. M., ÇELİK E.
9th Conference on Plasma Surface Engineering, Garmish Partenkirchen, Germany, 13 - 17 September 2004, (Full Text)

XIX. **Wear behaviour of plasma sprayed WC-Ni coatings**
Tekmen Ç., ÇETİNEL H., TÜRK A., ÇELİK E.
Proceedings of the 8th Conference and Exhibition of the European Ceramic Society, İstanbul, Turkey, 29 June - 03 July 2003, vol.264-268, pp.589-592, (Full Text)

XX. **Corrosive wear behaviours of HVOF-sprayed NiCr coatings on stainless steel substrates**
Ak N., ÇELİK E., ÇETİNEL H., Tekmen Ç., Soykan H.
Proceedings of the 8th Conference and Exhibition of the European Ceramic Society, İstanbul, Turkey, 29 June - 03 July 2003, vol.264-268, pp.529-532, (Full Text)

XXI. **Friction and wear behaviour of flame-sprayed Cr2O3 coatings as bearing materials**
ÇETİNEL H., Çlik E., Demirkurt Ö., Tekmen Ç., Kalyoncuoğlu Ö., Demirkurt K.
Proceedings of the 8th Conference and Exhibition of the European Ceramic Society, İstanbul, Turkey, 29 June - 03 July 2003, vol.264-268, pp.537-540, (Full Text)

XXII. **The Effect Of Yield Strength Mismatch On The Fracture Behaviour Of Welded Nodular Cast Iron**
ÇETİNEL H., UYULGAN B.
13th International Conference on the Strength of Materials, Budapest, Hungary, 25 August 2003, (Full Text)

XXIII. **Wear Behaviour Of Plasma Sprayed WC-Ni Coatings**
ÇETİNEL H., TÜRK A., ÇELİK E.
8th European Ceramic Society (EcerS) Conference & Exhibition, İstanbul, Turkey, 29 June 2003, (Full Text)

XXIV. **Friction And Wear Behaviour Of Flame-Sprayed Cr2o3 Coatings As Bearing Materials**
ÇETİNEL H., ÇELİK E.
8th European Ceramic Society (EcerS) Conference & Exhibition, İstanbul, Turkey, 29 June 2003, (Full Text)

XXV. **Corrosive Wear Behaviours of HVOF-Sprayed NiCr Coatings on Stainless Steel Substrates**
ÇETİNEL H., AK AZEM N. F., ÇELİK E.
8th European Ceramic Society (EcerS) Conference & Exhibition, İstanbul, Turkey, 29 June 2003, (Full Text)

XXVI. **Fatigue Crack Nuclei in Austempered Ductile Cast Iron**
ÇETİNEL H.
ECF 14 Fracture Mechanics Beyond 2000, Cracow, Poland, 08 September 2002, vol.2, pp.435-442, (Full Text)

XXVII. **Effects on Performance of Cr2O3 Layers Produced on Mo/Cast-iron Materials**
ÇETİNEL H., ÇELİK E., OKUMUŞ S. C.

8th Conference on Plasma Surface Engineering, Garmish Partenkirchen, Germany, 09 September 2002, (Full Text)

XXVIII. **Wear Properties of Functionally Gradient Layers on Stainless Steel Substrates for High Temperature Applications**
ÇETİNEL H., UYULGAN B., ÇELİK E.
8th Conference on Plasma Surface Engineering, Garmish Partenkirchen, Germany, 09 September 2002, (Full Text)

XXIX. **X-ray Tomography of Short Fatigue Cracks in Ductile Iron**
ÇETİNEL H.
ECF 14 Fracture Mechanics Beyond 2000, Cracow, Poland, 08 September 2002, vol.2, pp.443-450, (Full Text)

XXX. **Observation of retained austenite by electron backscatter diffraction in Austempered Ductile Cast Iron (ADI)**
ÇETİNEL H.
Heat Treating, St Louis, United States Of America, 01 September 2000, vol.1, pp.491-496, (Full Text)

XXXI. **Effect of retained austenite on short fatigue cracks in austempered ductile cast iron (ADI)**
ÇETİNEL H.
Heat Treating, St Louis, United States Of America, 01 September 2000, vol.1, pp.528-534, (Full Text)

Funded Projects

ÇETİNEL H., Project Supported by Other Private Institutions, ALÜMİNYUM ENJEKSİYON KALIPLARININ TERMAL YORULMA DAVRANIŞLARININ İNCELENMESİ VE KALIP PERFORMANSLARININ GELİŞTİRİLMESİ, 2015 - 2015

ÇETİNEL H., Project Supported by Other Private Institutions, UÇAK MOTORUNDAN TÜRETİLMİŞ GAZ TÜRBİNLERİNE YÖNELİK BAKIM VE TAMİR METOTLARININ GELİŞTİRİLMESİ, 2015 - 2015

ÇETİNEL H., Project Supported by Higher Education Institutions, Effects of the Aging Parameters on the Mechanical Properties of Al 4Cu 1Mg Alloy B4C Composites Adlı Çalışmanın Uluslararası Sempozyumda Sunulması, 2014 - 2015

ÇETİNEL H., TUBITAK Project, Soğuk Dövme Kalıpları Yüzey Koşullarının Kalıp Ömrüne ve KalıpMaliyetine Etkisinin İncelenerek Uygun Kalıp Yüzey Koşullarının Belirlenmesi, 2014 - 2016

ÇETİNEL H., Industrial Thesis Project, Girişim Sermayesi Hakemliği, 2014 - 2015

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Metrics

Publication: 63
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Non Academic Experience

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