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Education Information

Post Doctorate, Texas A&M University, Engineering Faculty , Mechanical Engineering , United States Of America 2009 - 2010

Post Doctorate, Michigan Technological University, Engineering Faculty , Mechanical Engineering , United States Of America 2003 - 2004

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği/Malzeme Anabilimdalı , Turkey 1995 - 2000

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği/Malzeme Anabilimdalı , Turkey 1991 - 1995

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , Turkey 1987 - 1991

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Other, Patent Eğitimi: Eğiticilerin Eğitimi,, TPE, 2012

Other, TÜBİTAK Proje Yönetimi Kursu, TÜBİTAK, 2005

Dissertations

Doctorate, Çinko-alüminyum esaslı aşımardan üretilen kaymalı yatakların statik ve dinamik yük altında tribolojik özelliklerinin incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği/Malzeme , 2000

Postgraduate, Çinko-alüminyum esaslı aşımardan üretilen kaymalı yatakların tribolojik özelliklerinin incelenmesi,

Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği/Malzeme , 1995

Research Areas

Mechanical Engineering, Construction and Manufacturing, Tribology, Casting Methods, Welding Methods, Material, Plastic Forming Methods, Metallurgical and Materials Engineering, Material science and engineering, Mechanical Properties, Biomaterials, Thermal Treatment, Material Characterization, Mechanical Metallurgy, Metallic Materials, Nanomaterials, Structure-Property Relationship, Engineering and Technology

Academic Titles / Tasks

Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , 2013 - Continues
Associate Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , 2007 - 2013
Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , 2003 - 2007
Research Assistant PhD, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , 2000 - 2003
Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , 1992 - 2000

Academic and Administrative Experience

Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2020 - Continues
Dean, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2020 - 2024
Giresun University, Mühendislik Fakültesi, 2017 - 2018
Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2014 - 2017
Manager of Research and Application Center, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2009 - 2013
Karadeniz Technical University, Mühendislik Fakültesi, 2007 - 2010
Deputy Head of Department, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2008 - 2009
Karadeniz Technical University, Makina Mühendisliği , 2007 - 2008

Courses

Doctorate

Mühendislik malzemelerine uygulanan mekanik deneyler, Doctorate, 2018 - 2019
Plastik şekil verme ilke ve uygulamaları, Doctorate, 2014 - 2015

Postgraduate

Metalik malzemelerde mukavemet artırma mekanizmaları, Postgraduate, 2018 - 2019

Undergraduate

Üretim Yöntemleri , Undergraduate, 2018 - 2019
Malzemelerin Mekanik Davranışları, Undergraduate, 2017 - 2018
Malzeme Bilimleri, Undergraduate, 2016 - 2017
Mühendislik Malzemeleri, Undergraduate, 2016 - 2017

Supervised Theses

Pürçek G., Demir yolu taşıtları için asbest içermeyen organik esash kompozit balata bileşimlerinin geliştirilmesi, Doctorate, H.YANAR(Student), 2020
Pürçek G., Sürtünme-karıştırma işleminin bir gemi inşa çeliğinin yapısal ve mekanik özelliklerin olan etkisi ve bu çeliğin

sürtünme karıştırma kaynak yöntemi ile birleştirilmesi, Doctorate, D.MURAT(Student), 2018

Pürçek G., Biyomedikal uygulamalar için Ti ve Ti alaşımlarının borlanması: Mikroyapı, mekanik özellikler ve biyouyumluluk incelemeleri, Doctorate, G.Kara(Student), 2017

Pürçek G., Çinko-Esashi Süperplastik Alaşımların Geliştirilmesi ve Yapısal, Mekanik ve Titreşim Sönümlenme Davranışlarının İncelenmesi, KTÜ Fen Bilimleri Enstitüsü, Makine Mühendisliği Anabilim Dalı, Temmuz, 2017, Trabzon, Türkiye., Doctorate, M.Demirtaş(Student), 2017

Pürçek G., Aşırı Plastik Deformasyon ve Yaşlandırma İşlemlerinin Birleşik Etkisi ile Yüksek Performanslı Cu-Cr-Zr Elektrot Malzemesinin Geliştirilmesi, Postgraduate, H.Yanar(Student), 2014

Pürçek G., Eş Kanallı Açısal Ekstrüzyon/Basma Yöntemi İle Yüksek Dayanımlı IF-Çeliğinin Geliştirilmesi ve Bu Yöntemin IF-Çeliğinden Üretilen Saclara Uygulanması”, KTÜ Fen Bilimleri Enstitüsü Makine Mühendisliği Anabilim Dalı, Doctorate, O.Saray(Student), 2013

Pürçek G., Aşırı Plastik Deformasyonun Titanyumun Şekillendirilebilirlik ve Korozyon Davranışı Üzerindeki Etkisinin İncelenmesi, Postgraduate, F.Ünker(Student), 2012

Pürçek G., Aşırı Plastik Deformasyonun Saf Titanyum ve Al-12Si Alaşımının Yapısal, Mekanik Ve Aşınma Özelliklerine Etkisinin İncelenmesi, Postgraduate, O.Kul(Student), 2009

PÜRÇEK G., Eş Kanallı Açısal Ekstrüzyon Yönteminin Zn-60Al ve Zn-60Al-2Cu Alaşımlarının Yapısal, Mekanik ve Aşınma Özelliklerine Etkisi, Postgraduate, O.Saray(Student), 2006

Jury Memberships

Doctorate, Tez Savunması, KTÜ, May, 2015

Doctorate, Tez savunma jürisi, KTÜ, October, 2014

Post Graduate, Tez savunma jürisi, KTÜ, November, 2013

Doctorate, Tez savunma jürisi, KTÜ, July, 2013

Appointment to Academic Staff-Assistant Professorship, Atama Jürisi , Uşak Üniversitesi , June, 2013

Doctorate, Tez savunma jürisi, KTÜ, June, 2013

Appointment to Academic Staff-Assistant Professorship, Atama Jürisi , Giresun Üniversitesi , May, 2013

Post Graduate, Tez savunma jürisi, KTÜ, August, 2012

Appointment to Academic Staff-Assistant Professorship, Atama Jürisi , Atatürk Üniversitesi , July, 2012

Doctorate, Tez savunma jürisi, KTÜ, March, 2012

Doctorate, Tez savunma jürisi, KTÜ, April, 2011

Appointment to Academic Staff-Assistant Professorship, Atama Jürisi , Atatürk Üniversitesi , March, 2011

Post Graduate, Tez savunma jürisi, KTÜ, July, 2009

Appointment to Academic Staff-Assistant Professorship, Atama Jürisi , Gümüşhane Üniversitesi , July, 2009

Appointment to Academic Staff-Assistant Professorship, Atama Jürisi , Gümüşhane Üniversitesi , June, 2009

Post Graduate, Tez savunma jürisi, KTÜ, August, 2007

Doctorate, Tez savunma jürisi, KTÜ, April, 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Effects of microstructure on the fatigue crack initiation and propagation behavior of 7075 aluminum alloy**
Jin J., Zhang Z., Hou J., Gong B., Wang H., Zhou X., PÜRÇEK G., Sheinerman A., Zhang Z.
Materials Characterization, vol.220, 2025 (SCI-Expanded)
- II. **Influences of thermo-mechanical treatment process on the microstructure evolution and tensile properties of 7075 Al alloy**
Jin J., Zhang Z., Hou J., Gong B., Wang H., Zhou X., PÜRÇEK G., Sheinerman A., Zhang Z.
Materials Today Communications, vol.43, 2025 (SCI-Expanded)
- III. **Effect of Severe Plastic Deformation and Aging States on Microstructure and Mechanical Properties**

of 2024 Aluminum Alloy

Demirtas M., YANAR H., UZUN M., USTALAR M., Zhang Z., Dai R., Jin J., PÜRÇEK G.
Advanced Engineering Materials, 2025 (SCI-Expanded)

- IV. **Surface Modification of Additively Manufactured Inconel 718 Alloy by Low-Energy High-Current Electron Beam Irradiation**
Demirtas M., Ivanov K. V., PÜRÇEK G., YANAR H., KAYNAK Y.
Advanced Engineering Materials, vol.26, no.23, 2024 (SCI-Expanded)
- V. **Severe plastic deformation for producing superfunctional ultrafine-grained and heterostructured materials: An interdisciplinary review**
Edalati K., Ahmed A. Q., Akrami S., Ameyama K., Aptukov V., Asfandiyarov R. N., Ashida M., Astanin V., Bachmaier A., Beloshenko V., et al.
Journal of Alloys and Compounds, vol.1002, 2024 (SCI-Expanded)
- VI. **Influence of microstructure characteristics on the fatigue properties of 7075 aluminum alloy**
Jin J., Zhang Z., Hou J., Gong B., Wang H., Zhou X., PÜRÇEK G., Sheinerman A., Zhang Z.
Materials Science and Engineering: A, vol.912, 2024 (SCI-Expanded)
- VII. **Fatigue crack propagation anisotropy of an Al-Zn-Mg-Cu super-thick plate**
Wang H., Zhang Z., Hou J., Gong B., Liu H., Abedi H., PÜRÇEK G., YANAR H., Demirtas M., Zhang Z.
International Journal of Fatigue, vol.187, 2024 (SCI-Expanded)
- VIII. **High-Cycle-Fatigue Anisotropy of an Aluminum Alloy Superthick Plate**
Wang H., Zhang Z., Gong B., Zhou X., Liu R., Abedi H. R., PÜRÇEK G., YANAR H., Demirtas M., Zhang Z.
Advanced Engineering Materials, vol.26, no.15, 2024 (SCI-Expanded)
- IX. **On the correspondence of bump relief on the surface of materials processed with low-energy high-current electron beam to their grain structure**
Ivanov K., Akimov K., Demirtas M., PÜRÇEK G.
Vacuum, vol.225, 2024 (SCI-Expanded)
- X. **Effects of aging state on the low-cycle fatigue properties of 2024 aluminum alloy**
Gong B., Zhang Z., Hou J., Liu R., Duan Q., Wang H., Wang X., Liu H., Wang H., PÜRÇEK G., et al.
Journal of Materials Research and Technology, vol.29, pp.2448-2457, 2024 (SCI-Expanded)
- XI. **Mechanical Properties of Al-9Si-0.6Mg-0.1Sr Alloy Processed By Successive Hot and Cold Multi-directional Forging**
KARABIYIK S., ALEMDAĞ Y., Atmaca M., PÜRÇEK G., HEKİMOĞLU A. P.
JOM, vol.76, no.2, pp.807-817, 2024 (SCI-Expanded)
- XII. **Influence of contamination of saliva, blood, and their mixture on shear bond strength between tricalcium silicate-based bioceramic (Biodentine®) and resin-based dental composite**
DÜLGER K., PÜRÇEK G.
Journal of the Australian Ceramic Society, 2024 (SCI-Expanded)
- XIII. **Mechanical properties of three typical aluminum alloy strips prepared by twin-roll casting**
Jin J., Zhang Z., Li R., Li Y., Gong B., Hou J., Wang H., Zhou X., PÜRÇEK G., Zhang Z.
Journal of Materials Research and Technology, vol.28, pp.500-511, 2024 (SCI-Expanded)
- XIV. **Comparison on the Fatigue Crack Propagation of High-Strength Aluminum Alloys**
Gong B., Zhang Z., Duan Q., Wang H., Wang X., Liu H., Cong F., PÜRÇEK G., Zhang Z.
Advanced Engineering Materials, vol.25, no.24, 2023 (SCI-Expanded)
- XV. **Research on anisotropy of the 7B50 super thick plate**
Wang H., Zhang Z., Cong F., Ren W., Gong B., Liu R., Li R., Zhou X., PÜRÇEK G., DEMİRTAŞ M., et al.
Journal of Alloys and Compounds, vol.960, 2023 (SCI-Expanded)
- XVI. **Investigation on the fatigue behavior of 7075 aluminum alloy at different aging states**
Gong B., Zhang Z., Hou J., Li R., Liu R., Duan Q., Wang X., Liu H., Cong F., PÜRÇEK G., et al.
International Journal of Fatigue, vol.175, 2023 (SCI-Expanded)
- XVII. **Microstructure and Mechanical Properties of Severely Deformed Eutectic Al-Si-Cu-Mn Alloy**
ALEMDAĞ Y., KARABIYIK S., PÜRÇEK G.
METALS AND MATERIALS INTERNATIONAL, vol.29, no.4, pp.1181-1194, 2023 (SCI-Expanded)

- XVIII. **An Overview of the Principles of Low-Temperature Superplasticity in Metallic Materials Processed by Severe Plastic Deformation**
DEMİRTAŞ M., PÜRÇEK G.
Materials Transactions, vol.64, no.8, pp.1724-1738, 2023 (SCI-Expanded)
- XIX. **Friction and wear behavior of chairside CAD-CAM materials against different types of antagonists: An in vitro study**
ZAIM B., SERİN KALAY T., PÜRÇEK G.
Journal of Prosthetic Dentistry, vol.128, no.4, pp.803-813, 2022 (SCI-Expanded)
- XX. **Enhancing mechanical and tribological properties of Ni3Al-15vol%TiC composite by high current pulsed electron beam irradiation**
DEMİRTAŞ M., Ivanov K., PÜRÇEK G., YANAR H.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.898, 2022 (SCI-Expanded)
- XXI. **Effect of hexagonal boron nitride (h-BN) addition on friction behavior of low-steel composite brake pad material for railway applications**
YANAR H., PÜRÇEK G., Demirtas M., Ayar H. H.
TRIBOLOGY INTERNATIONAL, vol.165, 2022 (SCI-Expanded)
- XXII. **Nanomaterials by severe plastic deformation: review of historical developments and recent advances**
Edalati K., Bachmaier A., Beloshenko V. A., Beygelzimer Y., Blank V. D., Botta W. J., Bryła K., Čížek J., Divinski S., Enikeev N. A., et al.
Materials Research Letters, vol.10, no.4, pp.163-256, 2022 (SCI-Expanded)
- XXIII. **The mechanical compression performance of ultra-fine grained stainless steel pyramidal lattice core**
KULEYİN H., GÜMRÜK R., YANAR H., Demirtaş M., PÜRÇEK G.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.28, no.10, pp.1073-1078, 2021 (SCI-Expanded)
- XXIV. **Effect of multi-directional hot forging on mechanical and tribological properties of Al-7Si-4Zn-3Cu alloy**
ALEMDAĞ Y., KARABIYIK S., PÜRÇEK G.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.1, pp.255-265, 2021 (SCI-Expanded)
- XXV. **Effect of multi-directional hot forging process on the microstructure and mechanical properties of Al-Si based alloy containing high amount of Zn and Cu**
ALEMDAĞ Y., KARABIYIK S., Mikhaylovskaya A. V., Kishchik M. S., PÜRÇEK G.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.803, 2021 (SCI-Expanded)
- XXVI. **Mechanical properties and cell proliferation response of borided biomedical titanium alloys with different crystalline structures**
KARA G., PÜRÇEK G.
SURFACE & COATINGS TECHNOLOGY, vol.397, 2020 (SCI-Expanded)
- XXVII. **Friction Stir Welding of Low-Carbon Shipbuilding Steel Plates: Microstructure, Mechanical Properties, and Corrosion Behavior**
SEKBAN D. M., Aktarer S. M., PÜRÇEK G.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.9, pp.4127-4140, 2019 (SCI-Expanded)
- XXVIII. **Boriding behaviour of titanium alloys with different crystalline structures**
Kara G., Pürçek G.
SURFACE ENGINEERING, vol.35, no.7, pp.611-617, 2019 (SCI-Expanded)
- XXIX. **Microstructure, mechanical properties and formability of friction stir welded dissimilar materials of IF-steel and 6061 Al alloy**
AKTARER S. M., SEKBAN D. M., KÜÇÜKÖMEROĞLU T., PÜRÇEK G.
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.26, no.6, pp.722-731, 2019 (SCI-Expanded)

- XXX. **Room Temperature Superplasticity in Fine/Ultrafine Grained Materials Subjected to Severe Plastic Deformation**
DEMIRTAS M., PÜRÇEK G.
MATERIALS TRANSACTIONS, vol.60, no.7, pp.1159-1167, 2019 (SCI-Expanded)
- XXXI. **Growth kinetics and mechanical characterization of boride layers formed on beta-type Ti-45Nb alloy**
Kara G., Pürçek G.
SURFACE & COATINGS TECHNOLOGY, vol.352, pp.201-212, 2018 (SCI-Expanded)
- XXXII. **Effect of resin content on tribological behavior of brake pad composite material**
YANAR H., Ayar H. H., DEMİRTAŞ M., PÜRÇEK G.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.72, no.2, pp.195-202, 2018 (SCI-Expanded)
- XXXIII. **Influence of high pressure torsion-induced grain refinement and subsequent aging on tribological properties of Cu-Cr-Zr alloy**
PÜRÇEK G., YANAR H., Shangina D., Demirtas M., Bochvar N., Dobatkin S.
Journal of Alloys and Compounds, vol.742, pp.325-333, 2018 (SCI-Expanded)
- XXXIV. **Formability of Friction Stir Processed Low Carbon Steels Used in Shipbuilding**
SEKBAN D. M., AKTARER S. M., Saray O., MA Z. Y., PÜRÇEK G.
JOURNAL OF MATERIALS SCIENCE & TECHNOLOGY, pp.1-10, 2018 (SCI-Expanded)
- XXXV. **Microstructural and Mechanical Evolution of a Low Carbon Steel by Friction Stir Processing**
SEKBAN D. M., Aktarer S. M., Zhang H., Xue P., Ma Z., PÜRÇEK G.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.8, pp.3869-3879, 2017 (SCI-Expanded)
- XXXVI. **Enhancing the Damping Behavior of Dilute Zn-0.3Al Alloy by Equal Channel Angular Pressing**
Demirtas M., Atli K. C., YANAR H., PÜRÇEK G.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.6, pp.2868-2876, 2017 (SCI-Expanded)
- XXXVII. **Improvement of wear behaviour of titanium by boriding**
Kara G., Pürçek G., Yanar H.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.69, no.1, pp.65-70, 2017 (SCI-Expanded)
- XXXVIII. **Impact toughness of friction stir processed low carbon steel used in shipbuilding**
SEKBAN D. M., AKTARER S. M., XUE P., MA Z. Y., PÜRÇEK G.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.672, pp.40-48, 2016 (SCI-Expanded)
- XXXIX. **Effects of grain size on room temperature deformation behavior of Zn-22Al alloy under uniaxial and biaxial loading conditions**
CETIN M. E., DEMIRTAS M., SOFUOĞLU H., CORA Ö. N., PÜRÇEK G.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.672, pp.78-87, 2016 (SCI-Expanded)
- XL. **Effect of different processes on lamellar-free ultrafine grain formation, room temperature superplasticity and fracture mode of Zn-22Al alloy**
Demirtas M., PÜRÇEK G., YANAR H., ZHANG Z. J., ZHANG Z. F.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.663, pp.775-783, 2016 (SCI-Expanded)
- XLI. **Influence of microalloying with zirconium on the structure and properties of Cu-Cr alloy after high pressure torsion**
SHANGINA D. V., BOCHVAR N. R., GORSHENKOV M. V., YANAR H., PÜRÇEK G., DOBATKIN S. V.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.650, pp.63-66, 2016 (SCI-Expanded)
- XLII. **Optimization of strength, ductility and electrical conductivity of Cu-Cr-Zr alloy by combining multi-route ECAP and aging**
PÜRÇEK G., YANAR H., Demirtas M., ALEMDAĞ Y., SHANGINA D. V., DOBATKIN S. V.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.649, pp.114-122, 2016 (SCI-Expanded)

- XLIII. **Effect of equal-channel angular pressing on room temperature superplasticity of quasi-single phase Zn-0.3Al alloy**
Demirtas M., PÜRÇEK G., YANAR H., Zhang Z. J., Zhang Z. F.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.644, pp.17-24, 2015 (SCI-Expanded)
- XLIV. **Microstructure, mechanical properties and formability of friction stir processed interstitial-free steel**
SEKBAN D. M., Saray O., AKTARER S. M., PÜRÇEK G., MA Z. Y.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.642, pp.57-64, 2015 (SCI-Expanded)
- XLV. **Microstructure, Mechanical Properties and Formability of Friction Stir Processed Interstitial-Free Steel**
SEKBAN D. M., SARAY O., AKTARER S. M., PÜRÇEK G., MA Z. Y.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.642, no.642, pp.57-64, 2015 (SCI-Expanded)
- XLVI. **Effect of two-pass friction stir processing on the microstructure and mechanical properties of as-cast binary Al-12Si alloy**
AKTARER S. M., SEKBAN D. M., Saray O., KÜÇÜKÖMEROĞLU T., MA Z. Y., PÜRÇEK G.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.636, pp.311-319, 2015 (SCI-Expanded)
- XLVII. **Microstructure And Tribological Properties Of Ti Borided By Electron Beam Evaporation Technique**
Kara G., Pürçek G., Bacaksız E., Atasoy Y.
Journal Of The Balkan Tribological Association, vol.21, no.1, pp.24-37, 2015 (SCI-Expanded)
- XLVIII. **Achieving room temperature superplasticity in Zn-5Al alloy at high strain rates by equal-channel angular extrusion**
Demirtas M., PÜRÇEK G., YANAR H., ZHANG Z. J., Zhang Z. F.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.623, pp.213-218, 2015 (SCI-Expanded)
- XLIX. **MICROSTRUCTURE AND TRIBOLOGICAL PROPERTIES OF Ti BORIDED BY ELECTRON BEAM EVAPORATION TECHNIQUE**
KARA G., PÜRÇEK G., ATASOY Y., BACAKSIZ E.
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.21, no.1, pp.24-37, 2015 (SCI-Expanded)
- L. **Improvement of high strain rate and room temperature superplasticity in Zn-22Al alloy by two-step equal-channel angular pressing**
DEMIRTAS M., PÜRÇEK G., YANAR H., Zhang Z., Zhang Z.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.620, pp.233-240, 2014 (SCI-Expanded)
- LI. **Effect of precipitation on mechanical and wear properties of ultrafine-grained Cu-Cr-Zr alloy**
PÜRÇEK G., YANAR H., Saray O., Kraman I., Maier H. J.
WEAR, vol.311, pp.149-158, 2014 (SCI-Expanded)
- LII. **Formability of Ultrafine-Grained Interstitial-Free Steels**
Saray O., PÜRÇEK G., Karaman I., Maier H. J.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.9, pp.4194-4206, 2013 (SCI-Expanded)
- LIII. **Impact Toughness of Ultrafine-Grained Interstitial-Free Steel**
Saray O., PÜRÇEK G., Karaman I., Maier H. J.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.11, pp.4320-4330, 2012 (SCI-Expanded)
- LIV. **High Strength and High Ductility of Ultrafine-Grained, Interstitial-Free Steel Produced by ECAP and Annealing**
PÜRÇEK G., Saray O., Karaman I., Maier H. J.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.6,

pp.1884-1894, 2012 (SCI-Expanded)

- LV. Microstructure and mechanical behavior of UFG copper processed by ECAP following different processing regimes**
PÜRÇEK G., Saray O., Nagimov M. I., Nazarov A. A., Safarov I. M., Danilenko V. N., Valiakhmetov O. R., Mulyukov R. R.
PHILOSOPHICAL MAGAZINE, vol.92, no.6, pp.690-704, 2012 (SCI-Expanded)
- LVI. Effect of internal oxidation on wear behavior of ultrafine-grained Nb-Zr**
PÜRÇEK G., Saray O., Rubitschek F., Niendorf T., Maier H. J., Karaman I.
ACTA MATERIALIA, vol.59, no.20, pp.7683-7694, 2011 (SCI-Expanded)
- LVII. Equal-channel angular sheet extrusion of interstitial-free (IF) steel: Microstructural evolution and mechanical properties**
Saray O., PÜRÇEK G., Karaman I., Neindorf T., Maier H. J.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.528, no.21, pp.6573-6583, 2011 (SCI-Expanded)
- LVIII. Hydroxyapatite production on ultrafine-grained pure titanium by micro-arc oxidation and hydrothermal treatment**
Alsaran A., PÜRÇEK G., Hacisalihoglu I., Vangolu Y., BAYRAK O. Ü., Karaman I., ÇELİK A.
SURFACE & COATINGS TECHNOLOGY, vol.205, 2011 (SCI-Expanded)
- LIX. Effect of commercial purity levels on the mechanical properties of ultrafine-grained titanium**
PÜRÇEK G., Yapici G. G., Karaman I., Maier H. J.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.528, no.6, pp.2303-2308, 2011 (SCI-Expanded)
- LX. PRINCIPLES OF EQUAL-CHANNEL ANGULAR SHEET EXTRUSION (ECASE): APPLICATION TO IF-STEEL SHEETS**
Saray O., PÜRÇEK G., Karaman I.
REVIEWS ON ADVANCED MATERIALS SCIENCE, vol.25, no.1, pp.42-51, 2010 (SCI-Expanded)
- LXI. Effect of equal-channel angular extrusion on the mechanical and tribological properties of as-cast Zn-40Al-2Cu-2Si alloy**
PÜRÇEK G., Saray O., KÜÇÜKÖMEROĞLU T., Haouaoui M., Karaman I.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.527, no.15, pp.3480-3488, 2010 (SCI-Expanded)
- LXII. Enhancement of Tensile Ductility of Severe Plastically Deformed Two-Phase Zn-12Al Alloy by Equal Channel Angular Extrusion**
AYDIN M., PÜRÇEK G., KÜÇÜKÖMEROĞLU T., SARAY O.
Materials Science Forum, vol.633-634, pp.437-447, 2010 (SCI-Expanded)
- LXIII. Microstructural Evolution and Mechanical Properties of Severely Deformed Al-12Si Casting Alloy by Equal-Channel Angular Extrusion**
PÜRÇEK G., Saray O., Kul O.
METALS AND MATERIALS INTERNATIONAL, vol.16, no.1, pp.145-154, 2010 (SCI-Expanded)
- LXIV. Flow response of a severe plastically deformed two-phase zinc-aluminum alloy**
Al-Maharbi M., Karaman I., PÜRÇEK G.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.527, no.3, pp.518-525, 2010 (SCI-Expanded)
- LXV. Enhancement of Tensile Ductility of Severe Plastically Deformed Two-Phase Zn-12Al Alloy by Equal Channel Angular Extrusion**
PÜRÇEK G., AYDIN M., Saray O., KÜÇÜKÖMEROĞLU T.
DUCTILITY OF BULK NANOSTRUCTURED MATERIALS, pp.437-447, 2010 (SCI-Expanded)
- LXVI. Microstructural Evolution and Mechanical Response of Equal-Channel Angular Extrusion-Processed Al-40Zn-2Cu Alloy**
PÜRÇEK G., Saray O., Karaman I., Haouaoui M.
METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE, no.11, pp.2772-2783, 2009 (SCI-Expanded)

- LXVII. **Mechanical and wear properties of ultrafine-grained pure Ti produced by multi-pass equal-channel angular extrusion**
PÜRÇEK G., Saray O., Kul O., Karaman I., Yapici G. G., Haouaoui M., Maier H. J.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.517, pp.97-104, 2009 (SCI-Expanded)
- LXVIII. **Microstructural evolution and mechanical properties of Al-40 wt.%Zn alloy processed by equal-channel angular extrusion**
Saray O., PÜRÇEK G.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.209, no.5, pp.2488-2498, 2009 (SCI-Expanded)
- LXIX. **Effect of severe plastic deformation on tensile properties and impact toughness of two-phase Zn-40Al alloy**
PÜRÇEK G., Saray O., Karaman I., KÜÇÜKÖMEROĞLU T.
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.490, pp.403-410, 2008 (SCI-Expanded)
- LXX. **Structure and nanomechanical properties of CdTe thin films**
PÜRÇEK G., BACAŞIZ E., Miskioglu I.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.198, pp.202-206, 2008 (SCI-Expanded)
- LXXI. **Enhancement in mechanical behavior and wear resistance of severe plastically deformed two-phase Zn-Al alloys**
Purcek G., Karaman I., Yapici G. G., Al-Maharbi M., Kucukomeroglu T., Saray O.
INTERNATIONAL JOURNAL OF MATERIALS RESEARCH, vol.98, no.4, pp.332-338, 2007 (SCI-Expanded)
- LXXII. **Improvement of mechanical properties for Zn-Al alloys using equal-channel angular pressing**
Purcek G.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.169, no.2, pp.242-248, 2005 (SCI-Expanded)
- LXXIII. **An upper-bound analysis for equal-channel angular extrusion**
Altan B., Purcek G., Miskioğlu I.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.168, no.1, pp.137-146, 2005 (SCI-Expanded)
- LXXIV. **Mechanical properties of severely deformed ZA-27 alloy using equal channel angular extrusion**
Purcek G., Altan B., Miskioğlu İ., Patil A.
MATERIALS SCIENCE AND TECHNOLOGY, vol.21, no.9, pp.1044-1048, 2005 (SCI-Expanded)
- LXXV. **Processing of eutectic Zn-5% Al alloy by equal-channel angular pressing**
Purcek G., Altan B., Miskioğlu İ., Ooi P.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.148, no.3, pp.279-287, 2004 (SCI-Expanded)
- LXXVI. **Effect of copper content on the mechanical and sliding wear properties of monotectoid-based zinc-aluminium-copper alloys**
Savaskan T., Hekimoglu A., Purcek G.
TRIBOLOGY INTERNATIONAL, vol.37, no.1, pp.45-50, 2004 (SCI-Expanded)
- LXXVII. **Effect of copper content on the mechanical and tribological properties of ZnAl27-based alloys**
Savaskan T., Purcek G., Hekimoglu A.
TRIBOLOGY LETTERS, vol.15, no.3, pp.257-263, 2003 (SCI-Expanded)
- LXXVIII. **Dry sliding friction and wear properties of zinc-based alloys**
Purcek G., Savaskan T., Kucukomeroglu T., Murphy S.
WEAR, vol.252, pp.894-901, 2002 (SCI-Expanded)
- LXXIX. **Sliding wear of cast zinc-based alloy bearings under static and dynamic loading conditions**
Savaskan T., Purcek G., Murphy S.
WEAR, vol.252, pp.693-703, 2002 (SCI-Expanded)
- LXXX. **Çinko-Alüminyum Esaslı Alaşımların ve Bu Alaşımlardan Üretilen Kaymalı Yatakların Aşınma Özellikleri**
SAVAŞKAN T., PÜRÇEK G.
Turkish Journal of Engineering and Environmental Sciences, vol.24, no.1, pp.25-34, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Aşınma ve Korozyona Dirençli Çelik Yüzeyler Oluşturmak İçin Kullanılan Yüzey İşlemleri Üzerine Bir Derleme**
Yıldız U. T., Varol T., Pürçek G., Akçay S. B.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, vol.27, no.1, 2024 (ESCI)
- II. **Electrodeposition of hard chromium on the interior surface of infantry rifle barrels: an experimental investigation**
Yıldız U. T., VAROL T., AKÇAY S. B., PÜRÇEK G.
The International Journal of Materials and Engineering Technology, vol.6, no.2, pp.66-69, 2023 (Peer-Reviewed Journal)
- III. **Al7075 Alaşımına Uygulanan Dekoratif Krom Kaplama Tabakasının Karakterizasyonu**
Varol T., Pürçek G., Ayyıldız S.
International Journal of Pure and Applied Sciences, vol.7, no.1, pp.132-140, 2021 (Peer-Reviewed Journal)
- IV. **Experimental and Numerical Investigation of Thickness Distribution in Forming of Superplastic Zn-22Al Alloy**
ÇETİN M. E., DEMİRTAŞ M., PÜRÇEK G., CORA Ö. N., SOFUOĞLU H.
ACADEMIC PERSPECTIVE PROCEDIA, vol.1, no.1, pp.1034-1040, 2018 (Peer-Reviewed Journal)
- V. **Effect of Notch Position on Impact Toughness of Friction Stir Processed Low Carbon Steel**
SEKBAN D. M., AKTARER S. M., MA Z. Y., PÜRÇEK G.
GMO JOURNAL OF SHIP AND MARINE TECHNOLOGY, no.207, pp.1-8, 2017 (Peer-Reviewed Journal)
- VI. **Effect of friction stir processing on tribological properties of Al-Si alloys**
AKTARER S. M., SEKBAN D. M., YANAR H., PÜRÇEK G.
IOP Conf. Series: Materials Science and Engineering, no.174, 2017 (Peer-Reviewed Journal)
- VII. **Improvement the wear behavior of low carbon steels by friction stir processing**
SEKBAN D. M., AKTARER S. M., YANAR H., ALSARAN A., PÜRÇEK G.
IOP Conf. Series: Materials Science and Engineering, no.174, 2017 (Peer-Reviewed Journal)
- VIII. **Effect of Natural Aging on RT and HSR Superplasticity of Ultrafine Grained Zn 22Al Alloy**
Demirtaş M., Yanar H., Pürçek G.
Materials Science Forum, vol.838, pp.320-325, 2016 (Scopus)
- IX. **Effect of Chemical Composition and Grain Size on RT Superplasticity of Zn-Al alloys processed by ECAP**
Demirtaş M., PÜRÇEK G., YANAR H., ZHANG Z. J., ZHANG Z. F.
Letters on materials, vol.5, no.3, pp.328-334, 2015 (ESCI)
- X. **Microstructure and mechanical properties of ultrafine grained copper processes by multiple isothermal forging**
Nagimov M. I., Nazarov A. A., Saray O., PÜRÇEK G., Valiakhmetov O. R., Safarov I. M., Mulyukov R. R.
Letters on Materials, vol.1, pp.151-155, 2011 (ESCI)
- XI. **Enhancement of tensile ductility of severe plastically deformed two-phase Zn-12Al alloy by equal channel angular extrusion**
PÜRÇEK G., AYDIN M., SARAY O., KÜÇÜKÖMEROĞLU T.
Materials Science Forum, vol.633, no.633, pp.437-447, 2010 (Scopus)
- XII. **Investigation of friction and wear behaviors of CuSn10 alloy in vacuum**
KÜÇÜKÖMEROĞLU T., PÜRÇEK G., Saray O., KARA L.
Journal of Achievements in Materials and Manufacturing Engineering, vol.30, no.30, pp.172-176, 2008 (Scopus)
- XIII. **Çinko-Alüminyum Esaslı Alaşımlardan İmal Edilen Kaymalı Yatakların Tribolojik Özelliklerinin İncelenmesi**
PÜRÇEK G., KÜÇÜKÖMEROĞLU T., SAVAŞKAN T.
MÜHENDİS VE MAKİNA, vol.37, no.443, pp.35-41, 1996 (Peer-Reviewed Journal)

Books

- I. **Severe Plastic Deformation: Towards Bulk Production of Nanostructured Materials**
PÜRÇEK G.
NOVA Science Publishers Inc. , New York, 2006
- II. **A novel method for the production of bulk nanostructured materials: Equal-channel angular extrusion (ECAE)**
PÜRÇEK G.
in: Severe Plastic Deformation: Towards Bulk Production of Nanostructured Materials, Altan B.S., Miskioglu I., Purcek G., Editor, Nova Science Publishers, New York, pp.483-507, 2006
- III. **Improving the mechanical properties of severely deformed zinc-based ZA alloys through equal-channel angular extrusion**
PÜRÇEK G.
in: Severe Plastic Deformation: Towards Bulk Production of Nanostructured Materials, Altan B.S., Miskioglu I., Purcek G., Editor, Nova Science Publishers, New York, pp.333-348, 2006

Papers Published in Refereed Scientific Meetings

- I. **Effect of Cold-Spraying as Post-Processing Surface Treatment on Ti6Al4V Additive Manufactured Parts**
Kolcu D., Meriç D., Aksa H. C., Yanar H., Varol T., Gedikli H., Pürçek G., Ece R. E., Cora Ö. N.
5th International Conference on Advanced Engineering Technologies, Bayburt, Turkey, 25 - 27 September 2024, pp.986-993
- II. **ÇOK YÖNLÜ DÖVÜLMÜŞ Al-40Zn-3Cu ALAŞIMININ YAĞLI KOŞULLARDAKİ AŞINMA PERFORMANSININ İNCELENMESİ**
Karabıyık S., Uzun M., Alemdağ Y., Pürçek G.
4th International Turkish World Engineering and Science Congress, Antalya, Turkey, 30 November - 03 December 2023, vol.1, pp.533-541
- III. **Strengthening Al 2024 Alloy via Equal Channel Angular Pressing and Subsequent Aging**
Demirtaş M., Yanar H., Uzun M., Ustalar M., Pürçek G.
The 5th International Conference of Materials and Engineering Technology (TICMET'23), Trabzon, Turkey, 13 - 16 November 2023, pp.419
- IV. **Farklı içeceklerin restoratif dental materyallerin sertlik ve pürüzlülüğü üzerine etkisinin invitro olarak incelenmesi**
Çakmak İ., Dülger K., Pürçek G.
ORCA, Nijmegen, Netherlands, 5 - 08 July 2023, vol.57, pp.318
- V. **ÇOK YÖNLÜ DÖVÜLMÜŞ AL-12Sİ-3CU-0,5MN ALAŞIMININ TRİBOLOJİK DAVRANIŞININ İNCELENMESİ**
Karabıyık S., Alemdağ Y., Pürçek G.
6nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'21), Nevşehir, Turkey, 26 - 28 November 2021, pp.164-169
- VI. **BİRBİRİ ARDINA UYGULANAN SICAK VE SOĞUK DÖVME İŞLEMLERİNİN AL-9Sİ-0,6MG-0,1SR ALAŞIMININ TRİBOLOJİK ÖZELLİKLERİNE ETKİSİ**
Karabıyık S., Atmaca M., Alemdağ Y., Hekimoğlu A. P., Pürçek G.
6nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'21), Nevşehir, Turkey, 26 - 28 November 2021, pp.170-175
- VII. **A Review on The Coating Methods Applied for Steel Surface**
Varol T., Pürçek G., Yıldız U. T.
5. International Asian Congress on Contemporary Sciences, Nakhchivan, Azerbaijan, 1 - 02 June 2021, pp.537-555
- VIII. **Effect of steel fiber addition on the mechanical and tribological behavior of the composite brake pad materials**

Yanar H., Pürçek G., Ayar H.

14th International Conference on Tribology, ROTRIB 2019, Cluj-Napoca, Romania, 19 - 21 September 2019, vol.724

- IX. **Characterization of microstructure and mechanical properties of Ti-6Al-4V alloy borided by electron beam evaporation technique**
Kara G., Pürçek G.
2. International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, pp.733-737
- X. **Investigation of mechanical properties and biocompatibility of borided titanium alloys with different crystalline structures**
Kara G., Pürçek G.
2. International Turkish World Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, pp.728-732
- XI. **ÇOK YÖNLÜ SICAK DÖVÜLMÜŞ AL-7Sİ-4ZN ALAŞIMININ SÜRTÜNME VE AŞINMA ÖZELLİKLERİNİN İNCELENMESİ**
ALEMDAĞ Y., KARABIYIK S., PÜRÇEK G.
4. International Conference on Material Science and Technology in Kızılcahamam/ANKARA(IMSTEC), Ankara, Turkey, 18 - 20 October 2019, pp.236-241
- XII. **ÇEVİRİM SAYISININ ÇOK YÖNLÜ SICAK DÖVÜLMÜŞ AL-7Sİ-4ZN ALAŞIMININ MEKANİK ÖZELLİKLERİNE ETKİSİ**
ALEMDAĞ Y., KARABIYIK S., PÜRÇEK G.
4. International Conference on Material Science and Technology in Kızılcahamam/ANKARA(IMSTEC), Ankara, Turkey, 18 - 20 October 2019, pp.242-247
- XIII. **Effect of Friction-Stir Processing on the Microstructure, Mechanical and Corrosion Behavior of a Low Carbon Steel Used in Ship Panel Construction**
SEKBAN D. M., PÜRÇEK G.
3rd International Conference on Advanced Engineering Technologies (ICADET), Bayburt, Turkey, 19 - 21 September 2019, pp.1
- XIV. **DEVELOPMENT OF A MULTIFUNCTIONAL TRIBOMETER: DESIGN CONCEPT**
PÜRÇEK G., YANAR H.
16th International Conference on Tribology (SERBIATRIB'xx19), 15 - 17 May 2019, vol.1
- XV. **EFFECT OF CASHEW NUT SHELL LIQUID (CNSL) ON TRIBOLOGICAL BEHAVIOR OF BRAKE PAD COMPOSITE**
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16th International Conference on Tribology (SERBIATRIB 2019), 15 - 17 May 2019, vol.1
- XVI. **Development Of A Multifunctional Tribometer: Design Concept**
PÜRÇEK G., YANAR H.
16th International Conference on Tribology (SERBIATRIB19), Kragujevac, Serbia And Montenegro, 15 - 17 May 2019, pp.1
- XVII. **Effect Of Cashew Nut Shell Liquid (CNSL) On Tribological Behavior Of Brake Pad Composite**
YANAR H., AYAR H. H., PÜRÇEK G.
16th International Conference on Tribology (SERBIATRIB19), Kragujevac, Serbia And Montenegro, 15 - 17 May 2019, pp.1
- XVIII. **Effect of Ultrafine-Grained Formation on Tribological Properties of Low Carbon Shipbuilding Steel**
SEKBAN D. M., Demirtaş M., PÜRÇEK G.
4th Iron&Steel Symposium, Karabük, Turkey, 4 - 06 April 2019, pp.39-41
- XIX. **Experimental and numerical investigation of thickness distribution in forming of superplastic Zn-22Al alloy**
ÇETİN M. E., DEMİRTAŞ M., PÜRÇEK G., CORA Ö. N., SOFUOĞLU H.
6th international symposium on innovative technologies in engineering and science, 9 - 11 November 2018
- XX. **Experimental and Numerical Investigation of Thickness Distribution in Forming of Superplastic Zn-22Al Alloy**

ÇETİN M. E., DEMİRTAŞ M., PÜRÇEK G., CORA Ö. N., SOFUOĞLU H.

6th International Symposium on Innovative Technologies in Engineering and Science (ISITES2018), Antalya, Turkey, 9 - 11 November 2018, pp.1034-1040

- XXI. **MECHANICAL CHARACTERIZATION OF BORIDE LAYERS FORMED ON ALPHA, BETA AND ALPHABETA TITANIUM ALLOYS**
Kara G., Pürçek G.
3. International Conference on Material Science and Technology (IMSTEC 2018), Niğde, Turkey, 17 - 19 September 2018, pp.444-447
- XXII. **EVOLUTION OF BORIDE LAYERS ON ALPHA, BETA AND ALPHABETA TITANIUM ALLOYS**
Kara G., Pürçek G.
3. International Conference on Material Science and Technology (IMSTEC 2018), Niğde, Turkey, 17 - 19 September 2018, pp.431-434
- XXIII. **Mechanical Properties of Multi-Directional Forged Al-7Si-4Zn-3Cu Alloy**
ALEMDAĞ Y., KARABIYIK S., YANAR H., PÜRÇEK G.
13th International Conference on Superplasticity in Advanced Materials, (ICSAM 2018), St. Petersburg, Russia, 19 September - 22 August 2018, vol.385, pp.250-255
- XXIV. **, Effect of Severe Plastic Deformation on the Mechanical and Tribological Properties of Cu-30Zn Brass**
ALEMDAĞ Y., PÜRÇEK G., Akgün M.
The 3th International Symposium, Bulk Nanostructured Material, BNM 2011, Ufa, Russia, 23 August - 26 September 2018, pp.131-133
- XXV. **Effect of Multi-Directional Forging on Tribological Properties of Al-7Si-4Zn-3Cu alloy**
ALEMDAĞ Y., KARABIYIK S., YANAR H., PÜRÇEK G.
13th International Conference on Superplasticity in Advanced Materials, (ICSAM 2018), St. Petersburg, Russia, 19 - 22 August 2018, pp.12
- XXVI. **Effect of Friction Stir Processing on Ultimate Strength of Ship Hull Girder Plates Estimated by Finite Element Analysis**
SEKBAN D. M., ÖLMEZ H., AKTARER S. M., KÖSE E., PÜRÇEK G.
3rd INTERNATIONAL SYMPOSIUM ON NAVAL ARCHITECTURE AND MARITIME, İstanbul, Turkey, 24 - 25 April 2018, pp.175-184
- XXVII. **EFFECT OF RESIN CONTENT ON FRICTION AND WEAR BEHAVIOUR OF NON-ASBESTOS COMPOSITE FRICTION MATERIAL USED IN BRAKE**
YANAR H., AYAR H. H., DEMİRTAŞ M., PÜRÇEK G.
2nd International Conference on Tribology - TURKEYTRIB'xx18, 18 - 20 April 2018, vol.1
- XXVIII. **Effect of Resin Content on Friction and Wear Behaviour of Non-Asbestos Composite Friction Material Used in Brake Pad**
YANAR H., AYAR H. H., Demirtaş M., PÜRÇEK G.
2th International Conference On Tribology (Balkantrib'18), İstanbul, Turkey, 18 - 20 April 2018, pp.1
- XXIX. **A New Multi-Functional Tribometer: Application of Block-on-Ring Test Module**
YANAR H., Demirtaş M., PÜRÇEK G.
2th International Conference On Tribology (Turkeytrib'18), İstanbul, Turkey, 18 - 20 April 2018, pp.1
- XXX. **Room temperature superplasticity in fine/ultrafine-grained Zn-Al alloys with different phase compositions**
Demirtaş M., YANAR H., Saray O., PÜRÇEK G.
13th International Conference on Superplasticity in Advanced Materials, ICSAM 2018, Petersburg, Russia, 19 - 22 August 2018, pp.72-77
- XXXI. **Mechanical properties of multi-directional forged Al-7Si-4Zn-3Cu alloy**
ALEMDAĞ Y., KARABIYIK S., YANAR H., PÜRÇEK G.
13th International Conference on Superplasticity in Advanced Materials, ICSAM 2018, Petersburg, Russia, 19 - 22 August 2018, vol.385 DDF, pp.250-255
- XXXII. **Effect of Grain Size on Microhardness of Superplastic Zn-22Al**

ÇETİN M. E., DEMİRTAŞ M., SOFUOĞLU H., CORA Ö. N., PÜRÇEK G.

International Conference on Engineering Technologies, 7 - 09 December 2017

XXXIII. EFFECT OF GRAIN SIZE ON MICROHARDNESS OF SUPERPLASTIC ZN22AL ALLOY

ÇETİN M. E., DEMİRTAŞ M., SOFUOĞLU H., CORA Ö. N., PÜRÇEK G.

International Conference on Engineering Technologies (ICENTE'17), Konya, Turkey, 07 December 2017 - 09 January 2018, pp.65

XXXIV. Superplastic-Like Behavior at Room Temperature in Two-Step Rolled Zn-Al Alloys

DEMİRTAŞ M., YANAR H., PÜRÇEK G.

International Conference on Advanced Engineering Technologies (ICADET'17), 21 - 23 September 2017

XXXV. Microstructure and Mechanical Properties of Fine-Grained Dual Phase 800 Steel Processed by Friction Stir Processing

AKTARER S. M., KÜÇÜKÖMEROĞLU T., SEKBAN D. M., PÜRÇEK G.

EUROMAT 2017, European Congress and Exhibition on Advanced Materials and Processes, 17 - 22 September 2017

XXXVI. Severe Plastic Deformation Induced Dynamic Precipitation in Cu-Cr-Zr Alloy

YANAR H., PÜRÇEK G., DEMİRTAŞ M., SHANGINA D., DOBATKIN S.

EUROMAT 2017, European Congress and Exhibition on Advanced Materials and Processes, 17 - 22 September 2017

XXXVII. Relationship between superplasticity and damping capacity in naturally aged Zn-Al alloys

DEMİRTAŞ M., ATLI K. C., YANAR H., PÜRÇEK G.

European Congress and Exhibition on Advanced Materials and Processes (EUROMAT 2017), 17 - 22 September 2017

XXXVIII. İki aşamalı hadde işlemine tabi tutulan Zn-Al alaşımlarında oda sıcaklığında süperplastisite-benzeri davranış

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International Conference on Advances Engineering Technologies (ICADET), Bayburt, Turkey, 21 - 23 September 2017, pp.1

XXXIX. Joining of Marine Steels by Severe Plastic Deformation-Induced Friction Stir Welding

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European Congress and Exhibition on Advanced Materials and Process (EUROMAT 2017), Selanik, Greece, 18 - 22 September 2017, pp.5

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Aktarer S. M., Küçükömeroğlu T., Sekban D. M., Pürçek G.

European Congress and Exhibition on Advanced Materials and Process (EUROMAT 2017), Thessaloniki, Greece, 18 - 22 September 2017, pp.11

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SHANGINA D. V., BOCHVAR N. R., PÜRÇEK G., YANAR H., DOBATKIN S. V.

European Congress and Exhibition on Advanced Materials and Processes (EUROMAT 2017), Thessaloniki, Greece, 17 - 22 September 2017, pp.1

XLII. Plastic Deformation Induced Dynamic Precipitation in Cu-Cr-Zr Alloy

YANAR H., PÜRÇEK G., DEMIRTAS M., SHANGINA D. V., DOBATKIN S. V.

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International Conference On Advances In Automotive Technologies 2016, İstanbul, Turkey, 11 - 14 October 2016, pp.3
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SEKBAN D. M., AKTARER S. M., YANAR H., ALSARAN A., PÜRÇEK G.
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TURKEYTRIB 2015 1st International Conference on Tribology, İstanbul, Turkey, 7 - 09 October 2015, pp.1
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YANAR H., PÜRÇEK G., SEKBAN D. M., AKTARER S. M.
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Demirtaş M., PÜRÇEK G., YANAR H., Zhang Z., Zhang Z.
12th International Conference on Superplasticity in Advanced Materials (ICSAM) 2015, Tokyo, Japan, 7 - 11 September 2015, pp.1
- LXXIX. **Süperplastik Zn-22Al Alaşımında Ultra İnce Tane Oluşumunun Oda Sıcaklığındaki Şekillendirilebilirliğe Etkisinin Deneysel ve Teorik Olarak İncelenmesi**
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Hacısalihoğlu I., Samancıoğlu A., Yıldız F., PÜRÇEK G., Alsaran A.
Wear of Materials 2015 20th International Conference on Wear of Materials, Toronto, Canada, 12 - 16 April 2015, pp.1
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2. Uluslar arası Demir Çelik Sempozyumu (IISS'15), Karabük, Turkey, 1 - 03 April 2015
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SEKBAN D. M., PÜRÇEK G., AKTARER S. M., KÜÇÜKÖMEROĞLU T.
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- LXXXIII. **BİR NİKEL ALUMİNYUM BRONZU (CuAl10Ni5Fe4) İLE KALAY BRONZUNUN (CuSn11) SÜRTÜNME VE AŞINMA ÖZELLİKLERİ AÇISINDAN KARŞILAŞTIRILMASI**
KOÇAK T. Ü., YANAR H., PÜRÇEK G., BİROL F.
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SEKBAN D. M., PÜRÇEK G., Aktarer S. M., KÜÇÜKÖMEROĞLU T.
2nd International Iron and Steel Symposium (IISS'15), Karabük, Turkey, 1 - 03 April 2015, vol.1, no.1, pp.80-84

- LXXXV. **Formability of if steel sheets severe plastically deformed by friction stir processing**
SEKBAN D. M., AKTARER S. M., SARAY O., KÜÇÜKÖMEROĞLU T., PÜRÇEK G.
2nd International Iron and Steel Symposium, 1 - 03 April 2015
- LXXXVI. **Formability of IF-Steel Sheets Severe Plastically Deformed By Friction-Stir Processing**
SEKBAN D. M., AKTARER S. M., SARAY O., KÜÇÜKÖMEROĞLU T., PÜRÇEK G.
IIS 15 2nd International Iron and Steel Symposium, Karabük, Turkey, 1 - 03 April 2015, pp.425-429
- LXXXVII. **Effect of friction stir processing on the structure and mechanical properties of a low carbon steel used in ship panel construction**
SEKBAN D. M., PÜRÇEK G., AKTARER S. M., KÜÇÜKÖMEROĞLU T.
2nd International Iron and Steel Symposium, 1 - 03 April 2015
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KARA G., PÜRÇEK G., BACAŞIZ E., ATASOY Y.
BALKANTRIB'14, 8th International Conference on Tribology, Sinaia, Romania, 30 October - 01 November 2014, pp.1
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Hacısalihoglu İ., KOVACI H., PÜRÇEK G., ALSARAN A.
International Participated 7th Biomechanics Congress (Uluslararası Katılımlı 7. Biyomekanik Kongresi), Isparta, Turkey, 16 - 18 October 2014, pp.1
- XC. **High-strain rate superplasticity at room temperature in two-phase and quasi-single phase Zn-Al alloys**
PÜRÇEK G., Demirtaş M., SARAY O., Zhang Z., Zhang Z.
NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), Metz, France, 30 June - 04 July 2014, pp.1
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ŞENTÜRK E., KÜÇÜKÖMEROĞLU T., CAM G., PÜRÇEK G.
NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), Metz, France, 30 June - 04 July 2014, pp.6
- XCII. **Effect of aging on structural, mechanical and electrical properties of ultrafine-grained Cu-Cr-Zr alloy**
YANAR H., PÜRÇEK G., SARAY O., KARAMAN İ., MAIER H. J.
NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), Metz, France, 30 June - 04 July 2014, pp.3
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AKTARER S. M., SEKBAN D. M., SARAY O., KÜÇÜKÖMEROĞLU T., PÜRÇEK G.
NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), Metz, France, 30 June - 04 July 2014, pp.4
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SEKBAN D. M., AKTARER S. M., SARAY O., KÜÇÜKÖMEROĞLU T., PÜRÇEK G.
NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), Metz, France, 30 June - 04 July 2014, pp.5
- XCV. **Improvement in Room-Temperature Damping Capacity of Zn-22Al Alloy by Ultrafine-Grain Formation**
Demirtaş M., PÜRÇEK G., YANAR H., Zhang Z., Zhang Z.
NanoSPD-6 (Nanomaterials by Severe Plastic Deformation), Metz, France, 30 June - 04 July 2014, pp.2
- XCVI. **Nanostructuring of bulk materials by severe plastic deformation processes**
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Developing an Ultrafine-Grained and/or Nanostructured Superplastic Zn-22Al Alloy for Passive Seismic Damper Material
Demirtaş M., PÜRÇEK G., SARAY O., YANAR H.
NanoTR-9, Erzurum, Turkey, 24 - 28 June 2013, pp.1
- XCVIII. **Developing an Ultrafine-Grained or Nanostructured Superplastic Zn-22Al Alloy for Seismic Damper Application**
Demirtaş M., PÜRÇEK G., SARAY O., YANAR H.
NanoTR-9, Erzurum, Turkey, 24 - 28 June 2013, pp.3

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YANAR H., PÜRÇEK G., SARAY O., Demirtaş M., KRAMAN I., MAIER H. J.
NanoTR-9, Erzurum, Turkey, 24 - 28 June 2013, pp.1
- C. Development an ultra-high strength Cu-Cr-Zr alloy without notably sacrificing the ductility and electrical conductivity by dispersion of nano-sized precipitates inside ultrafine-grained microstructure**
YANAR H., PÜRÇEK G., SARAY O., Demirtaş M., KRAMAN I., MAIER H. J.
NanoTR-9, Erzurum, Turkey, 24 - 28 June 2013, pp.1
- CI. Development an ultra-high strength Cu-Cr-Zr alloy without notably sacrificing the ductility and electrical conductivity by dispersion of nano-sized precipitates inside ultrafine-grained microstructure**
YANAR H., PÜRÇEK G., SARAY O., Demirtaş M., Karaman İ., MAIER H. J.
NanoTR-9, Erzurum, Turkey, 24 - 28 June 2013, pp.2
- CII. Improvement in stretch formability of ultra-fine grained materials by post-ECAE annealing**
SARAY O., PÜRÇEK G., KARAMAN İ., MAIER H. J.
NanoTR-9, Erzurum, Turkey, 24 - 28 June 2013, pp.4
- CIII. Formability of ultrafine grained (UFG) interstitial-free (IF) steel produced with equal channel angular extrusion/pressing (ECAE/P)**
SARAY O., PÜRÇEK G., KARAMAN İ., MAIER H. J.
International Iron & Steel Symposium, Karabük, Turkey, 2 - 04 April 2012, pp.1
- CIV. Texture Evolution of IF-Steel Sheets Processed by Equal-Channel Angular Sheet Extrusion (ECASE)**
SARAY O., PÜRÇEK G., Mahato B., Chowdhury S. G.
16th International Conference on the Textures of Materials (ICOTOM 16), Mumbai, India, 12 - 17 December 2011, pp.123-124
- CV. Production of high-strength and biocompatible implant: Severe plastic deformation and surface modification techniques**
PÜRÇEK G., SARAY O., Hacısalihoglu İ., Karaman İ., ALSARAN A.
4. Ulusal Tıbbi Cihazlar İmalatı Sanayi Kongre ve Sergisi, TİSKON-2011, Samsun, Turkey, 23 - 24 September 2011, pp.1
- CVI. Thermal stability of ultra-fine grained interstitial-free (IF) steel**
SARAY O., PÜRÇEK G., Karaman İ., MAIER H. J.
The 3th International Symposium, Bulk Nanostructured Materials, BNM-2011, Ufa, Rwanda, 23 - 26 August 2011, pp.3
- CVII. Impact toughness of ultra-fined grained interstitial-free steel**
PÜRÇEK G., SARAY O., Karaman İ.
The 3th International Symposium, Bulk Nanostructured Materials, BNM-2011, Ufa, Russia, 23 - 26 August 2011, pp.2
- CVIII. Effect of severe plastic deformation on the mechanical and tribological properties of Cu-11Sn bronze**
ALEMDAĞ Y., PÜRÇEK G., AKGÜN M.
The 3th International Symposium, Bulk Nanostructured Materials, BNM-2011, Ufa, Russia, 23 - 26 August 2011, pp.1
- CIX. The Oxidation Of Ultrafine- grained Pure Titanium Using Different Surface Processes**
ÇELİK İ., Alsaran A., Saray O., PÜRÇEK G.
TMMOB Chemistry Engineering Chamber 1th Surface Treatment Symposium, İstanbul, Turkey, 15 - 18 June 2011, pp.1
- CX. Production of Ultrafine-grained and high strength IF-steel by equal-channel angular extrusion: Investigation of microstructure-mechanical property-thermal stability relationship**
SARAY O., PÜRÇEK G., Karaman İ.

TMMOB Mechanical Engineering Chamber, V. Iron-Steel Congress and Exhibition, Karabük, Turkey, 1 - 03 April 2011, pp.1

- CXI. **Application of Equal-Channel Angular Extrusion to Some BCC, FCC and HCP Materials: Microstructure-Property Relationship**
PÜRÇEK G., Saray O., KARAMAN İ., KÜÇÜKÖMEROĞLU T.
15. International Metallurgy and Materials Congress, İstanbul, Turkey, 11 - 13 November 2010, pp.1
- CXII. **Producing High Strength and Formable Ultrafine-Grained IF-Steel by Equal-Channel Angular Extrusion and Subsequent Annealing**
Saray O., PÜRÇEK G., Karaman İ., Maier H. J.
13. International Materials Symposium, Denizli, Turkey, 13 - 15 October 2010, pp.1
- CXIII. **Production of High-Strength Nb-1Zr and CP-Ti by Severe Plastic Deformation For Biomedical Applications**
Karaman İ., Yapıcı G. G., PÜRÇEK G., Maier H. J.
13. International Materials Symposium, Denizli, Turkey, 13 - 15 October 2010, pp.2
- CXIV. **Hydroxyapatite Production on Pure Ti by ECAE And MAO Processes**
ALSARAN A., PÜRÇEK G., Hacısalihoğlu İ., Vangölü Y., BAYRAK Ö., Karaman İ., ÇELİK A.
PSE 2010, Twelfth International Conference on Plasma Surface Engineering September, Garmisch-Partenkirchen, Germany, 13 - 17 September 2010, pp.1
- CXV. **Influence of cold rolling and equal-channel angular extrusion on the microstructural and mechanical behaviors of Al-40Zn alloy**
PÜRÇEK G., SARAY O., KARAMAN İ.
TMS-2010 Annual Meeting, Seattle, Wa, United States Of America, 14 - 18 February 2010, pp.1
- CXVI. **Evolution of microstructure and mechanical properties of IF-steel sheets during equal-channel angular sheet extrusion (ECASE) and subsequent annealing**
PÜRÇEK G., SARAY O., Karaman İ.
TMS-2010 Annual Meeting, Seattle, Wa, United States Of America, 14 - 18 February 2010, pp.2
- CXVII. **Research on Materials Science: Connection to Energy Conversion**
PÜRÇEK G., ALEMDAĞ Y.
Kick-Off Meeting of the International Institute for Multifunctional Materials for Energy Conversion (IIMEC), Texas, United States Of America, 25 - 26 January 2010, pp.1
- CXVIII. **Processing of IF steel sheets by equal channel Angular Sheet Extrusion**
PÜRÇEK G., SARAY O., KÜÇÜKÖMEROĞLU T.
Second International Symposium - BNM-2009, 22 - 26 September 2009
- CXIX. **Processing of IF-steel sheets by continuous equal-channel angular rolling**
PÜRÇEK G., SARAY O., KÜÇÜKÖMEROĞLU T.
BNM-2009, Bulk Nanostructured Materials: from fundamentals to innovations, Ufa, Russia, 22 - 26 September 2009, pp.2
- CXX. **Microstructural evolution and mechanical properties of severely deformed Al-12Si casting alloy by equal-channel angular extrusion**
PÜRÇEK G., SARAY O., KUL O.
BNM-2009, Bulk Nanostructured Materials: from fundamentals to innovations, Ufa, Russia, 22 - 26 September 2009, pp.1
- CXXI. **Aşırı Plastik Deformasyonun Metalik Malzemelerin Kırılma Davranışına Etkisinin SEM ile İncelenmesi**
PÜRÇEK G., KÜÇÜKÖMEROĞLU T., SARAY O.
Uluslararası Katılımlı 19. Elektron Mikroskopi Kongresi, Turkey, 22 - 25 June 2009
- CXXII. **Investigation of mechanical and wear properties of ultrafine-grained pure titanium produced by severe plastic deformation**
PÜRÇEK G., Kul O., Saray O., Yapıcı G. G., KARAMAN İ., KÜÇÜKÖMEROĞLU T.
IV. Biomechanics Congress, Erzurum, Turkey, 16 - 17 October 2008, pp.1
- CXXIII. **Aşırı plastik deformasyon yöntemiyle üretilen ultra-kristalin yapıları saf titanyumun mekanik özellikleri ile aşınma davranışının incelenmesi**

- PÜRÇEK G., Kul O., SARAY O., Yapici G. G., Haouaoui M., Karaman I., KÜÇÜKÖMEROĞLU T.
IV. Biyomekanik Kongresi, Erzurum, Turkey, 16 - 17 October 2008, pp.4
- CXXIV. **Effect of Equal Channel Angular Extrusion ECAE on Microstructure and Sliding Wear Properties of Al 40Zn 2Cu Alloy**
PÜRÇEK G., SARAY O., KÜÇÜKÖMEROĞLU T.
IMSP'2008 Symposium, Pamukkale Univ., Kinikli – DENİZLİ 2008, 15 - 17 October 2008
- CXXV. **Investigation of Friction and Wear Behaviours of CuSn10 Alloy in Vacuum**
KÜÇÜKÖMEROĞLU T., PÜRÇEK G., Saray O.
IMSP2008, 12th International Materials Symposium, Denizli, Turkey, 15 - 17 October 2008, pp.2
- CXXVI. **Effect of equal channel angular extrusion (ECAE) on dry sliding wear properties of Al-40Zn-2Cu alloy**
PÜRÇEK G., Saray O.
IMSP2008, 12th International Materials Symposium, Denizli, Turkey, 15 - 17 October 2008, pp.1
- CXXVII. **Effect of equal-channel angular extrusion (ECAE) on the mechanical and wear properties of Zn-Al-based alloys,**
PÜRÇEK G., SARAY O., KÜÇÜKÖMEROĞLU T., Karaman İ.
NanoSPD-IV Conference, Goslar, Germany, 18 - 22 August 2008, pp.1
- CXXVIII. **Friction and wear properties of pure Ti processed by multi-pass ECAE**
PÜRÇEK G., Karaman İ., SARAY O., KÜÇÜKÖMEROĞLU T.
NanoSPD-IV Conference, Goslar, Germany, 18 - 22 August 2008, pp.2
- CXXIX. **Microstructure and Mechanical Properties of ECAE Processed Two-Phase Zinc-Aluminum (Zn-8%Al) Alloy**
Al-Maharbi M., Haouaoui M., Karaman İ., PÜRÇEK G.
TMS2008 Annual Meeting & Exhibition, New Orleans, Louisiana, United States Of America, 9 - 13 March 2008, pp.1
- CXXX. **Production of nanostructured and high strength IF-steel by severe plastic deformation**
PÜRÇEK G., Karaman İ., Saray O., KÜÇÜKÖMEROĞLU T.
TMMOB Mechanical Engineering Chamber, IV. Iron-Steel Congress, Karabük, Turkey, 1 - 03 November 2007, pp.1
- CXXXI. **Effect of Severe Plastic Deformation on Tensile Properties and Impact Toughness of Two Phase Zn 40Al Alloy**
PÜRÇEK G., SARAY O., Karaman İ., KÜÇÜKÖMEROĞLU T.
Bulk Nanostructured Materials-BNM-2007, 14 - 18 August 2007
- CXXXII. **Microstructural Evolution and Enhancement of Strength and Ductility in Two-Phase UFG Zn-Al alloys,**
PÜRÇEK G., Karaman İ., Yapıcı G. G., Al-Maharbi M., KÜÇÜKÖMEROĞLU T., SARAY O.
UFG-2006, Kloster Irsee, Germany, 25 - 27 September 2006, pp.1
- CXXXIII. **Enhancement in Mechanical Behavior and Wear Resistance of Severe Plastically Deformed Two Phase Zn Al alloys**
PÜRÇEK G., Karaman İ., YAPICI G. G., Al Maharbi M., KÜÇÜKÖMEROĞLU T., SARAY O.
UFG-2006, Kloster Irsee, Germany, 24 - 26 September 2006
- CXXXIV. **Microstructural Evolution and Enhancement of Strength and Ductility in Two Phase UFG Zn Al alloys**
PÜRÇEK G., Karaman i., YAPICI G. G., Al Maharbi M., KÜÇÜKÖMEROĞLU T., SARAY O.
UFG-2006, Kloster Irsee, Germany, 24 - 26 September 2006
- CXXXV. **Structure and Nanomechanical Properties of CdTe Thin Film Deposited on Glass at Different Substrate Temperature,**
PÜRÇEK G., BACAKSIZ E., Miskioğlu İ.
NANO-TRII (Nanoscience and Nanotechnology 2006), METU, Ankara, Turkey, 3 - 05 May 2006, pp.1
- CXXXVI. **Mechanical Properties and Wear Resistance of Severely Deformed ZA-27 Alloy after Equal Channel Angular Extrusion**
Patil A., Altan Ş. B., Miskioğlu İ., PÜRÇEK G.
SAMPE'06, Long Beach, California, United States Of America, 30 April - 05 May 2006, pp.1
- CXXXVII. **A Novel Method for Producing Improved Properties and Ultracrystalline Steel: Equal-Channel Angular Extrusion (ECAE)**

PÜRÇEK G., KÜÇÜKÖMEROĞLU T.

TMMOB Mechanical Engineering Chamber, III. Iron-Steel Congress and Exhibition, Zonguldak, Turkey, 22 - 24 September 2005, pp.1

Other Publications

- I. "Improvement Of Wear Resistance Of Pure Titanium (Grade-2) By Boriding Using Electro-Beam Evaporation Technique At Room Temperature" BALKANTRIB'14, 8th International Conference on Tribology, Sinaia, ROMANYA, 30 Ekim - 1 Kasım 2014, pp.1-7
Kara G., Pürçek G., Atasoy Y., BACAKSIZ E.
Presentation, pp.1-7, 2014

Supported Projects

- PÜRÇEK G., TUBITAK Project, Sürtünme karıştırma prosesinin çok ince tane yapılı, yüksek mukavemetli ve hafifletilmiş otomobil gövde bileşenlerinin geliştirilmesinde kullanılması: Deformasyon davranışı, yapısal ve mekanik özellikler, 2015 - Continues
- PÜRÇEK G., ÇAKIR O., saray o., TUBITAK Project, Çok fonksiyonlu özgün bir tribolojik test sisteminin geliştirilmesi, Continues
- İçin K., Pürçek G., Alptekin F., Erdem A. F., TUBITAK Project, Hafif Silah Bileşenlerine Yönelik Çevreci Yeni Nesil Akımsız Nikel-fosfor Ve Elektrolitik Kalay-nikel Dupleks Kaplama Uygulamalarının Geliştirilmesi, 2024 - 2026
- Varol T., Pürçek G., Yanar H., Beder M., Güler O., TÜBİTAK International Bilateral Joint Cooperation Program Project, Hierarchically Structured Functional Aa2024 Aerospace Alloy Processed By Hybrid Additive Manufacturing and Surface Engineering, 2023 - 2024
- VAROL T., ÇUVALCI H., BAYKAL S., DURAN C., ÇANAKÇI A., SARI A., ALTINTAŞ S. H., PÜRÇEK G., GEDİKLİ H., ÇUVALCI O., et al., Project Supported by Higher Education Institutions, Biyomedikal ve İleri Mühendislik Malzemelerinin Seçici Lazer Ergitme Yöntemi İle Üretimi, 2020 - 2023
- KOŞAR T., PÜRÇEK G., BAYRAKTAR F., ÇELİK D., Project Supported by Higher Education Institutions, Rejeneratif Endodontik Tedavide Kullanılan Farklı Medikaman Ajanların ve Koronal Bariyer Materyallerinin Yapay İmmatür Dişlerin Kırılma Direnci Üzerine Etkisinin Değerlendirilmesi, 2021 - 2022
- Yanar H., Pürçek G., TUBITAK Project, Kara ve Demir Yolu Taşıtlarına Yönelik Yeni Bir Balata Test Sisteminin Geliştirilmesi, 2020 - 2021
- Yanar H., Pürçek G., KOSGEB, Servo Sistem Tahrikli ve PLC Kontrollü Çok Fonksiyonlu Bir Sürtünme Aşınma ve Yağlama Test Cihazının Arayüz Yazılımı İle Birlikte Geliştirilmesi, 2019 - 2020
- KARA G., PÜRÇEK G., Project Supported by Higher Education Institutions, Titanyum ve alaşımlarının katihal borlanması için borlama karışımı, 2017 - 2020
- Pürçek G., Çakır O., TUBITAK Project, Çok Fonksiyonlu Özgün Bir Tribolojik Test Sisteminin Geliştirilmesi, 2017 - 2019
- PÜRÇEK G., Project Supported by Higher Education Institutions, Zn-22Al alaşımının oda sıcaklığındaki süperplastik davranışının geliştirilmesi ve sönümleyici malzeme olarak kullanılabilirliğinin araştırılması, 2014 - 2017
- Yanar H., Pürçek G., TUBITAK Project, Pin-on-disk tipi tribolojik test sisteminin modüler tarzda geliştirilerek ticarileşme potansiyelinin artırılması, 2015 - 2016
- TÜZÜNER T., PÜRÇEK G., SÖKMEN M., ÇAKIROĞLU T. N., ALTINTEPE İ., KUŞGÖZ A., DEĞER O., Project Supported by Higher Education Institutions, CHLORHEXIDINE BENZALKONIUM CHLORIDE VE PROPOLİS İÇEREN CAM İYONOMER SİMANIN ANTİBAKTERİYEL SİTOTOKSİK FİZİKSEL VE KİMYASAL ÖZELLİKLERİNİN İN-VİTRO DEĞERLENDİRİLMESİ, 2015 - 2016
- Pürçek G., Industrial Thesis Project, Aşırı plastik deformasyon ve yaşlandırma işlemlerinin bileşik etkisi ile yüksek performanslı Cu-Cr-Zr elektrot malzemesinin geliştirilmesi ve bunun için yarı mamul pilot üretim sisteminin oluşturulması, 2013 - 2015
- PÜRÇEK G., Project Supported by Other Official Institutions, İmplant üretimi için nanoyapılı, yüksek dayanımlı ve tam

biyoyumlu alfa ve beta tipi Ti ve Ti alaşımlarının üretilmesi ve bu sürecin ticarileştirilmesi, 2012 - 2013
PÜRÇEK G., Project Supported by Other Official Institutions, Deneysel Düzenleme Tasarımı ve İmalatı, 2011 - 2012
PÜRÇEK G., Project Supported by Higher Education Institutions, Biyomalzeme Uygulamalar İçin Nanoyapılı ve Yüksek dayanımlı Saf Titanyum Üretimi:Yapısal,Mekanik ve Tribolojik Özelliklerin İncelenmesi, 2010 - 2012
PÜRÇEK G., Project Supported by Higher Education Institutions, Eş Kanallı Açıl Ekstrüzyon Yöntemi İle Ultra Kristalin Yapılı Ve Yüksek Dayanımlı IF-Çeliği İle Üretimi, 2009 - 2012
PÜRÇEK G., KÜÇÜKÖMEROĞLU T., TÜBİTAK Project, Farklı Aşırı Plastik Deformasyon Yöntemleri İle Üretilen Nanoyapılı Bakırın Yapısal Ve Mekanik Özelliklerinin İncelenmesi, 2009 - 2011
PÜRÇEK G., KÜÇÜKÖMEROĞLU T., TÜBİTAK Project, Eş-Kanallı Açıl Ekstrüzyon Yöntemi ile Ultra-Kristalin Yapılı ve Yüksek Dayanımlı IF-Çeliği Üretimi ve Bu Yöntemin IF-Çeliğinden Üretilen Saçlara Uygulanması, 2008 - 2011
PÜRÇEK G., KÜÇÜKÖMEROĞLU T., TÜBİTAK Project, Aşırı Plastik Deformasyon İle Balk Formda Nanoyapılı Zn-Al-Esaslı Alaşımların Üretilmesi: Yapısal, Mekanik ve Tribolojik Özellikler, 2005 - 2008
ÇUVALCI H., PÜRÇEK G., TÜBİTAK Project, Çinko-alüminyum Esaslı Yeni Yatak Malzemelerinin Geliştirilmesi ve Bu Malzemelerden Üretilen Yatakların Tribolojik Özelliklerinin İncelenmesi, 1993 - 1995

Memberships / Tasks in Scientific Organizations

Türk Triboloji Derneği (Turkish Tribological Association), Member, 2018 - Continues
Community of Science, Member, 2010 - Continues
Materials Research Society (MRS), Member, 2009 - Continues
TMMOB Makine Mühendisleri Odası, Member, 1995 - Continues

Peer Reviews in Scientific Publications

Materials Chemistry and Physics, National Scientific Refreed Journal, July 2015
T.C. Bilim, Sanayi ve Teknoloji Bakanlığı, Coşkunöz Ar-Ge Merkezi Yıllık Faaliyet Hakemliği, Other Journals, November 2014
TÜBİTAK-TEYDEP, 1507-KOBİ Ar-Ge Başlangıç Destek Programı, Other Journals, June 2014
TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, 7131097 nolu ve "Servo ve Pnömatik Tahrikli, Radyal Perçin İmalat Mekanizmalarının Tasarımı ve Geliştirilmesi", Other Journals, April 2014
TÜBİTAK-TEYDEP, 1507-KOBİ Ar-Ge Başlangıç Destek Programı, Other Journals, March 2014
TÜBİTAK KOBİ Ar-Ge Başlangıç Destek Programı, 7131097 nolu ve "Servo ve Pnömatik Tahrikli, Radyal Perçin İmalat Mekanizmalarının Tasarımı ve Geliştirilmesi" adlı proje, Other Journals, November 2013
Materials Science and Engineering A, SCI Journal, July 2013
Materials and Design , SCI Journal, May 2013
Mühendis ve Makina, National Scientific Refreed Journal, May 2013
ISRN Metallurgy, Other Indexed Journal, March 2013
Metallurgical and Materials Transactions A, SCI Journal, March 2013
The Scientific Word Journal , SCI Journal, March 2013
SOJ Materials Science & Engineering, Other Indexed Journal, March 2013
Journal of the Faculty of Engineering and Architecture of Gazi University , SCI Journal, February 2013
Materials, Other Indexed Journal, February 2013
wear, SCI Journal, January 2013
TÜBİTAK co-funded brain circulation scheme (co-circulation scheme) individual assessment, Other Journals, October 2012
Current Nanoscience, SCI Journal, June 2012
TÜBİTAK-Bilim İnsanı Destekleme Daire Başkanlığı (BİDEB), Other Journals, May 2012
Mühendislik Dergisi, National Scientific Refreed Journal, April 2012
Tribology Letter, SCI Journal, April 2012

Tribology International , SCI Journal, April 2012
Surface and coating technology, SCI Journal, March 2012
Journal of Engineering Tribology, SCI Journal, March 2012
Journal of Engineering Manufacture, SCI Journal, March 2012
TUBİTAK-TEYDEP, Other Journals, February 2012
TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2011-TEYDEP 1007 Proje değerlendirme paneli, Other Journals, June 2011
Physica Status Solidi A-Applications and Materials Science, SCI Journal, May 2011
Advances in Materials Science and Engineering, SCI Journal, March 2011
Materials Transactions , SCI Journal, June 2010
Powder Technology , SCI Journal, May 2010
Journal of Materials Processing Technology, SCI Journal, March 2010
TUBİTAK-TEYDEP Proje hakemliği, Other Journals, May 2009

Scientific Project Refereeing

TUBİTAK Project, November 2014
TUBİTAK Project, May 2014
TUBİTAK Project, June 2013
TUBİTAK Project, March 2013
TUBİTAK Project, October 2012
TUBİTAK Project, May 2012
TUBİTAK Project, June 2011
TUBİTAK Project, December 2010
TUBİTAK Project, July 2010
TUBİTAK Project, May 2010
TUBİTAK Project, May 2009
TUBİTAK Project, April 2009
TUBİTAK Project, October 2008
TUBİTAK Project, May 2007

Scientific Consultations

TÜBİTAK 3501 Kariyer Geliştirme Programı, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , Turkey, 2015 - Continues
TÜBİTAK 1512 3. Aşama Projesi, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , Turkey, 2015 - Continues
UTS Mühendislik, Scientific Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , Turkey, 2011 - Continues
Bilim, Sanayi ve Teknoloji Bakanlığı, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , Turkey, 2013 - 2014
Bilim, Sanayi ve Teknoloji Bakanlığı, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , Turkey, 2012 - 2013
Bilim, Sanayi ve Teknoloji Bakanlığı, Project Consultancy, Karadeniz Technical University, Mühendislik Fakültesi, Makina Mühendisliği , Turkey, 2011 - 2012

Scientific Research / Working Group Memberships

Metrics

Publication: 241

Citation (WoS): 2684

Citation (Scopus): 3000

H-Index (WoS): 30

H-Index (Scopus): 35

Congress and Symposium Activities

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2014 2. Dönem 1001 Proje önerilerini değerlendirme paneli, Attendee, Bursa, Turkey, 2014

TÜBİTAK-TEYDEP, 1507-KOBİ Ar-Ge Başlangıç Destek Programı, Attendee, Bursa, Turkey, 2014

Nanomaterials by Severe Plastic Deformation (NanoSPD-6), Invited Speaker, France, 2014

TÜBİTAK, Bilim, Teknoloji ve Yenilik Politikaları Daire Başkanlığı, Otomotiv sektörü özelinde hafifletmeye yönelik malzeme teknolojileri çalıştay, Attendee, Ankara, Turkey, 2014

Bilim Sanayi ve Teknoloji Bakanlığı, Bilim ve Teknoloji Genel Müdürlüğü, San-Tez projeleri değerlendirme paneli, Attendee, Ankara, Turkey, 2013

NanoTR-9, Invited Speaker, Erzurum, Turkey, 2013

TÜBİTAK Kamu Kurumları Araştırma Geliştirme Projelerini Destekleme Programı (1007 KAMAK Programı), Proje Önerilerini Değerlendirme Paneli, Attendee, Ankara, Turkey, 2013

TUBITAK co-funded brain circulation scheme (co-circulation scheme) individual assessment, Attendee, Turkey, 2012

TÜBİTAK Kamu Kurumları Araştırma Geliştirme Projelerini Destekleme Programı (1007 KAMAK Programı), Proje Önerilerini Değerlendirme Paneli, Attendee, Ankara, Turkey, 2012

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2012 2. Dönem 1001 Proje önerilerini değerlendirme paneli, Attendee, Turkey, 2012

TÜBİTAK-Bilim İnsanı Destekleme Daire Başkanlığı (BİDEB), 2214/2219 Yurt Dışı Araştırma Bursları Değerlendirme Paneli, Attendee, Turkey, 2012

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2011-TEYDEP 1007 Proje değerlendirme paneli, Attendee, Turkey, 2011

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2010 Hızlı destek projelerini değerlendirme paneli, Attendee, Turkey, 2011

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2010 2. Dönem 1001-Projelerini değerlendirme paneli, Attendee, Turkey, 2010

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 1002 Hızlı Destek Proje Değerlendirmesi, Attendee, Turkey, 2010

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2010 1.Dönem 1001-Projelerini değerlendirme paneli, Attendee, Turkey, 2010

TÜBİTAK-Mühendislik Araştırma Grubu (MAG), 2009 1. Dönem 1001-Projelerini değerlendirme paneli, Attendee, Turkey, 2009

TÜBİTAK Mühendislik Araştırma Grubu (MAG), Uluslar arası proje değerlendirme paneli, Attendee, Turkey, 2009

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2008 1. Dönem 1001-Projelerini değerlendirme paneli, Attendee, Turkey, 2008

TÜBİTAK Bilim ve Teknoloji İnsan Kaynakları Stratejisi Birinci Çalıştay, 19-21 Eylül 2008, TÜBİTAK-TÜSSİDE, Attendee, Gebze/Kocaeli, Turkey, 2008

TÜBİTAK Mühendislik Araştırma Grubu (MAG), 2007 1. Dönem 1001-Projelerini değerlendirme paneli, Attendee, Turkey, 2007

NANOTECHNOLOGY RESEARCH FORUM, Attendee, Ankara, Turkey, 2006

NANO TRII (Nanoscience and Nanotechnology 2006), Attendee, Ankara, Turkey, 2006

NANO TRI (Nanoscience and Nanotechnology 2005), Attendee, Turkey, 2005

TÜBİTAK Proje Yönetimi Kursu, Attendee, Turkey, 2005

Non Academic Experience

Inst. of Metal Research, China, TWAS-UNESCO Associateship

Institute of Metal Research, Chinese Academy of Science, Shenyang, China, Görevli Profesör

Texas A&M University , Post-Doc

Michigan technological University , Post-Doc