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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji, Türkiye 1989 - 1995

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji, Türkiye 1986 - 1989

Lisans, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji, Türkiye 1981 - 1986

Yabancı Diller

Almanca, B1 Orta

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Finite element modelling and measurement of stress evolution in quenching processes, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Mühendisliği (Dr), 1995

Yüksek Lisans, Finite element simulation of rigid-plastic deformation on micro-computers, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği (YI) (Tezli), 1989

Araştırma Alanları

Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Malzeme Testi ve Kontrolü, Mekanik Özellikler, Tahribatsız Muayeneler, Isıl İşlem, Malzeme Karakterizasyonu, Mekanik Metalurji, Metalik Malzemeler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2008 - Devam Ediyor

Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2002 - 2008
Yrd. Doç. Dr., Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 1997 - 2002

Uzman, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 1996 - 1997
Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 1988 - 1996

Akademik İdari Deneyim

Merkez Müdürü, Orta Doğu Teknik Üniversitesi, Rektörlük, Welding Technology and Non-Destructive Testing Research and Application Center, 2007 - 2024

Bölüm Başkanı, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2012 - 2022

Verdiği Dersler

Mechanical Behavior of Materials, Lisans, 2020 - 2021

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Yönetilen Tezler

Batgün C., Gür C. H., INVESTIGATING THE CREEP RUPTURE BEHAVIOR OF P91 STEEL BY EMPIRICAL APPROACHES: IN AS-MANUFACTURED CONDITION AND AFTER SHIELDED METAL ARC WELDING, Doktora, M.JUNAID(Öğrenci), 2023

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ÖGEL B., GÜR C. H., Design and production of a dissimilar channel angular pressing system to obtain high strength aluminum alloy sheets, Yüksek Lisans, G.EMRE(Öğrenci), 2009

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GÜR C. H., Isıl işlem ve kompozisyonun hadfield çeliklerin mikroyapısına ve mekanik özelliklerine olan etkileri, Yüksek Lisans, S.Alyaz(Öğrenci), 2003

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **The effects of SLM process parameters on the relative density and hardness of austenitic stainless steel 316L**
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- II. **Influence of Shielding Gas on the Microstructure and Mechanical Properties of Duplex Stainless Steel in Wire Arc Additive Manufacturing**
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- III. **Determination of the anisotropy in mechanical properties of laser powder bed fusion Inconel 718 by ultrasonic testing**
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- IV. **Tailoring the microstructure and mechanical properties of IN718 alloy via a novel scanning strategy implemented in laser powder bed fusion**
KALELİ ALAY T., Cagirici M., Yalcin M. Y., Yagmur A., TİRKEŞ S., AYDOĞAN GÜNGÖR E., GÜR C. H.
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- V. **Investigating the Effects of Repair Welding on Microstructure, Mechanical Properties, and Corrosion Behavior of IN-939 Superalloy**
Mashhuriazar A., Badihehaghdam M., GÜR C. H., ERTÜRK M. T., BATIGÜN C., TİRKEŞ S., Sajuri Z., Omidvar H.
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- VI. **Effects of heat input on metallurgical behavior in HAZ of multi-pass and multi-layer welded IN-939 superalloy**
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- VIII. **Effects of Pre-Weld Heat Treatment and Heat Input on Metallurgical and Mechanical Behaviour in HAZ of Multi-Pass Welded IN-939 Superalloy**
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- IX. **Determination of surface residual stresses in carburised AISI 8620 steel by the magnetic Barkhausen noise method**
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- X. **Effect of microstructural modification on damage tolerance of 34CrMo4 shaft steel**
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- XI. **Investigating the correlation between magnetic Barkhausen noise emission and the fatigue life of**

shot-peened AISI 4140 steel

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- XII. **Failure analysis of fretting fatigue initiation and growth on railway axle press-fits**
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- XIII. **Applicability of the Magnetic Barkhausen Noise Method for Nondestructive Measurement of Residual Stresses in the Carburized and Tempered 19CrNi5H Steels**
HIZLI H., GÜR C. H.
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- XIV. **Comparison of Electronic Speckle Laser Interferometry Hole-Drilling and X-ray Diffraction Techniques for Determination of Residual Stresses in the Heat Treated Steels**
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JOURNAL OF NONDESTRUCTIVE EVALUATION, cilt.36, sa.2, 2017 (SCI-Expanded)
- XV. **Long-term thermal stability of Equal Channel Angular Pressed 2024 aluminum alloy**
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- XVI. **Investigating the effects of subsequent weld passes on surface residual stresses in steel weld merits by Magnetic Barkhausen Noise technique**
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- XVIII. **Investigating the formation of intermetallic compounds during friction stir welding of magnesium alloy to aluminum alloy in air and under liquid nitrogen**
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- XXV. **Mechanical and microstructural characterization of 6061 aluminum alloy strips severely deformed by Dissimilar Channel Angular Pressing**
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- XXVII. **Monitoring variation of surface residual stresses in shot peened steel components by the magnetic Barkhausen noise method**
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- XXXI. **A Simulation of the Quenching Process for Predicting Temperature, Microstructure and Residual Stresses**
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- XXXIV. **A review on modeling and simulation of quenching**
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- XXXV. **A FEM based framework for simulation of thermal treatments: Application to steel quenching**
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- XLI. **Characterization of dual-phase steels using magnetic barkhausen noise technique**
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- XLII. **Comparison of magnetic Barkhausen noise and ultrasonic velocity measurements for microstructure evaluation of SAE 1040 and SAE 4140 steels**
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- XLV. **Microstructural investigation of SAE 1040 steel specimens by ultrasonic measurements**
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- XLVIII. **Effect of tube spinning and subsequent heat treatments on strength, microstructure and residual stress state of AISI/SAE type 4140 steel**
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H-İndeks (Scopus): 20

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