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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

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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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- GÜR C. H., Comparison of the flaw detection abilities of phased array and conventional ultrasonic testing methods in various steels, Yüksek Lisans, M.YALÇIN(Öğrenci), 2014
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Influence of Shielding Gas on the Microstructure and Mechanical Properties of Duplex Stainless Steel in Wire Arc Additive Manufacturing**
Akbarzadeh E., YURTIŞIK K., Hakan Gür C. H., Saeid T., Tavangar R.
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- II. **The effects of SLM process parameters on the relative density and hardness of austenitic stainless steel 316L**
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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. **Investigating the Effects of CoMoCrSi Powder Composition and Particle Size, and Annealing Heat Treatment on Microstructure and Mechanical and Tribological Performance of HVOF Sprayed Coatings**
Ertürk M. T., Tirkeş S., Gür C. H.
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- V. **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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- VI. **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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- VII. **Effects of heat input on metallurgical behavior in HAZ of multi-pass and multi-layer welded IN-939 superalloy**
Mashhuriazar A., GÜR C. H., Sajuri Z., Omidvar H.
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- VIII. **Effect of Welding Parameters on the Liquefaction Cracking Behavior of High-Chromium Ni-Based Superalloy**
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- IX. **Effects of Pre-Weld Heat Treatment and Heat Input on Metallurgical and Mechanical Behaviour in HAZ of Multi-Pass Welded IN-939 Superalloy**
Mashhuriazar A., Omidvar H., Sajuri Z., GÜR C. H., Baghdadi A. H.
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- X. **Determination of surface residual stresses in carburised AISI 8620 steel by the magnetic Barkhausen noise method**
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- XI. **Effect of microstructural modification on damage tolerance of 34CrMo4 shaft steel**

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- XII. **Investigating the correlation between magnetic Barkhausen noise emission and the fatigue life of shot-peened AISI 4140 steel**
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- XIII. **Failure analysis of fretting fatigue initiation and growth on railway axle press-fits**
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- XIV. **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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- XV. **Comparison of Electronic Speckle Laser Interferometry Hole-Drilling and X-ray Diffraction Techniques for Determination of Residual Stresses in the Heat Treated Steels**
HIZLI H., GÜR C. H.
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- XVI. **Long-term thermal stability of Equal Channel Angular Pressed 2024 aluminum alloy**
TAN G., KALAY Y. E., GÜR C. H.
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- XX. **Numerical and experimental determination of the residual stress state in multipass welded API 5LX70 plates**
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- XXII. **Characterization of Duplex Stainless Steel Weld Metals Obtained by Hybrid Plasma-Gas Metal Arc Welding**
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- XXIII. **Homogenization of ECAPed Al 2024 alloy through age-hardening**
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- XXVI. **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. **Characterization of ultra-fine grained steel samples produced by high pressure torsion via magnetic Barkhausen noise analysis**
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- XXXII. **A Simulation of the Quenching Process for Predicting Temperature, Microstructure and Residual Stresses**
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- XXXV. **A review on modeling and simulation of quenching**
Şimşir C., Hakan Gür C. H.
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- XXXVII. **Utilization of Non-destructive Methods for Determining the Effect of Age-Hardening on Impact Toughness of 2024 Al-Cu-Mg Alloy**

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- XXXVIII. **3D FEM simulation of steel quenching and investigation of the effect of asymmetric geometry on residual stress distribution**
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- XL. **EFFECT OF ECAP AND POST-AGING PROCESSES ON 2024 ALUMINUM ALLOY**
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- XLI. **Characterization of dual-phase steels using magnetic barkhausen noise technique**
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- XLII. **Monitoring the microstructural changes during tempering of quenched SAE 5140 steel by magnetic barkhausen noise**
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- XLIII. **Comparison of magnetic Barkhausen noise and ultrasonic velocity measurements for microstructure evaluation of SAE 1040 and SAE 4140 steels**
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- XLIV. **Determination of the influence of TiO₂ on the elastic properties of a mica based glass ceramic by ultrasonic velocity measurements**
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- XLV. **Characterization of microstructural phases of steels by sound velocity measurement**
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- XLVI. **Microstructural investigation of SAE 1040 steel specimens by ultrasonic measurements**
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- XLVIII. **Investigation of microstructure-ultrasonic velocity relationship in SiCp-reinforced aluminium metal matrix composites**
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