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Uluslararası Araştırmacı ID'leri

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Eğitim Bilgileri

- I. Doktora, Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Met.Ve Malzeme Müh.Böl., Türkiye 2014 - 2019
- II. Yüksek Lisans, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği, Türkiye 2012 - 2014
- III. Lisans, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği, Türkiye 2007 - 2012

Yabancı Diller

- I. İngilizce, C1 İleri

Yaptığı Tezler

- I. Yüksek Lisans, Gaz Nitrürlenerek Sertleştirilmiş 31CrMoV9 Çeliğinde İndentasyon Yöntemiyle Kalıntı Gerilme Ve Sertlik Değişimlerinin İncelenmesi, İstanbul Teknik Üniversitesi, Kimya-Metalurji, Metalurji Ve Malzeme Mühendisliği, 2014

Araştırma Alanları

Metalurji ve Malzeme Mühendisliği, Malzeme Bilimi ve Mühendisliği, Kompozitler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

- I. Araştırma Görevlisi Dr., Yıldız Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Met.Ve Malzeme Müh.Böl., 2013 - Devam Ediyor

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- II. **Measuring depth-dependent residual stresses in gaseous nitrided steels using indentation method**
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- III. **Effects of Ti addition and wall thickness on microstructure, hardness, and wear properties of spheroidal graphite cast irons**
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- V. **Enhancing wear resistance of R220 rail steels by quenching and partitioning (Q&P) treatment**
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- VI. **Microstructural, tribological, and corrosion behavior of B₄C-added TiO₂ coatings applied on 316 L stainless steel via sol-gel method**
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- VII. **Wear and corrosion behavior of vanadium-alloyed nodular cast irons fabricated by sand-casting**
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- VIII. **Chemical composition optimization of Al₂O₃-TiO₂ composite coatings for enhanced wear and corrosion resistance**
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- IX. **Influence of layer number and sintering temperature on microstructural, tribological, and corrosion behavior of Al₂O₃-TiO₂ multilayer coatings**
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- X. **Influence of vanadium content and cooling rate on the characteristics of vanadium-alloyed spheroidal graphite cast irons**
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- XI. **Combined effects of cryogenic treatment and tempering on microstructural and tribological features of AISI H13 steel**
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- XII. **Improving wear and corrosion protection of AISI 304 stainless steel by Al₂O₃-TiO₂ hybrid coating via sol-gel process**
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- XIII. **Microstructure, Mechanical, and Wear Properties of Al-Alloyed Austempered Ductile Irons**
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- XIV. **Volume fraction effect of stainless steel on microstructure, interface, corrosion and wear behavior of stainless steel / aluminum bimetal composites**
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- XV. **Surface characteristics of plasma electrolytic oxidation coatings on Cp-Ti and hot-dip aluminised Cp-Ti**
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- XVI. **Microstructural, mechanical and tribological characterization of aluminum-alloyed ductile cast irons based on aluminum content**
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- XVII. **Microstructure, wear and corrosion characteristics of multiple-reinforced (SiC-B4C-Al2O3) Al matrix composites produced by liquid metal infiltration**
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- XVIII. **Casting temperature dependent wear and corrosion behavior of 304 stainless steel reinforced A356 aluminium matrix bimetal composites fabricated by vacuum-assisted melt infiltration casting**
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- XIX. **Sliding Wear of the Ti-Reinforced Al Matrix Bi-metal Composite: A Potential Replacement to Conventional SiC-Reinforced Composites for Automotive Application**
GECÜ R., KARAASLAN A.
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- XX. **Improving wear resistance of 304 stainless steel reinforced AA7075 aluminum matrix composite by micro-arc oxidation**
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- XXI. **The effect of retrogression and re-aging treatment on mechanical and tribological features of AA7075 aluminium alloy**
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- XXII. **A Comparative Study on Titanium-Reinforced Aluminium Matrix Composites Produced by Melt Infiltration Casting and Squeeze Infiltration**
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- XXIII. **Microstructural and Tribological Characterization of Stainless Steel-Reinforced Aluminum Matrix Bimetal Composites Produced at Various Mold Burnout Temperatures**
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- XXIV. **Volume Fraction Dependent Wear Behavior of Titanium-Reinforced Aluminum Matrix Composites Manufactured by Melt Infiltration Casting**
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- XXV. **Preform-Based Production of Al2O3-Reinforced Aluminium Matrix Composites by Using Various Modification Techniques**
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- XXVI. **A Study on Al/Cu Bimetal Production by Lost Foam Casting**
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- XXVII. **Influence of T6 heat treatment on A356 and A380 aluminium alloys manufactured by thixoforging combined with low superheat casting**

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XXIX. **Influence of preform preheating on dry sliding wear behavior of 304 stainless steel reinforced A356 aluminum matrix composite produced by melt infiltration casting**

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XXX. **Investigation of spherisation in microstructures of aluminium casting alloys for thixoforging process**

GÜLER K. A., GECÜ R., KISASÖZ A., KARAASLAN A.
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XXXI. **A Comparative Study on the Microstructure Evaluation of Thixoforged A356 and A380 Aluminium Alloys**

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Diğer Dergilerde Yayınlanan Makaleler

I. **Determination of Temperature Gradient in TIG Welding of Duplex Stainless Steel**

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Gecü R.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Investigation And Characterization Of Duplex Stainless Steel Production By Mechanical Alloying Method**

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- VI. **The impact of volume fraction of commercially pure titanium reinforcement on aluminium matrix bimetal composite properties**
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- VII. **TRIBOLOGICAL CHARACTERIZATION OF 304 STAINLESS STEEL REINFORCED AA7075 ALUMINIUM MATRIX COMPOSITE PRODUCED BY MELT INFILTRATION CASTING**
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- VIII. **Investigation of the Effects of Solution Heat Treatment Time on the Eutectic Silicon for A356 Alloy**
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- IX. **Dry Sliding Wear Properties of AA7075 Aluminium Matrix Hybrid Composites**
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- X. **The Effect of Preform Preheating on Microstructural and Mechanical Features of 80% CP-Ti Reinforced A356 Matrix Composite**
GECÜ R., KARAASLAN A.
International Conference on Engineering Technology and Innovation (ICETI), Budapeşte, Macaristan, 07 Mart 2018, ss.163-169
- XI. **Aging of A356 Aluminum Billets Produced by Semi-Solid Metal Processing**
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- XII. **Production of CP-Ti Reinforced A356 Aluminum Composite by Vacuum-Assisted Investment Casting**
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- XIII. **Microstructural Evaluation of T6-Treated A380 Alloy Manufactured by Semi-Solid Metal Casting**
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- XIV. **Manufacturing and Aging of 7075 Based Metal-Metal Composites by Using Sawdusts as Reinforcements**
GECÜ R., KISASÖZ A., GÜLER K. A., KARAASLAN A.
18th International Metallurgy & Materials Congress, İstanbul, Türkiye, 29 Eylül 2016, ss.114-117
- XV. **An Investigation of the Effect of Solution Heat Treatment on 475 °C Embrittlement in 1.4462 Duplex Stainless Steels**
GECÜ R., KISASÖZ A., KARAASLAN A.
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- XVI. **The Effect of Intermetallic Phases on Corrosion Behaviour of Duplex Stainless Steels**
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- I. GECÜ R., Yükseköğretim Kurumları Destekli Proje, Sıfırtalı İşlem Görmüş AISI H13 Sıcak İş Takım Çeliklerinde Temperlemenin Mikroyapı ve Aşınma Davranışına Etkisinin İncelenmesi, 2022 - 2023
- II. KARAASLAN A., GECÜ R., Yükseköğretim Kurumları Destekli Proje, Bimetal Kompozitlerin Metal Talaşlarıyla Üretimi ve Karakterizasyonu, 2017 - 2019
- III. KISASÖZ A., ACAR S., GECÜ R., KARAASLAN A., GÜLER K. A., Yükseköğretim Kurumları Destekli Proje, Isıya Dayanıklı 2.4879 Alaşımının Yüksek Sıcaklık Uygulamalarındaki Özellik Değişimlerinin Belirlenmesi, 2017 - 2019
- IV. KARAASLAN A., ACAR S., GECÜ R., KISASÖZ A., GÜLER K. A., Yükseköğretim Kurumları Destekli Proje, Geri Dönüştürülebilir Metal Takviyeler Kullanılarak Üretilen Alüminyum Matrisli Metal-Metal Kompozitlerin Aşınma Özelliklerinin Belirlenmesi, 2017 - 2019
- V. KARAASLAN A., ACAR S., KISASÖZ A., GECÜ R., GÜLER K. A., Yükseköğretim Kurumları Destekli Proje, Çift Fazlı Paslanmaz Çelikte Ferrit-Östenit Faz Dengesinin 475 °C Kırılgenliği Üzerindeki Etkisinin İncelenmesi, 2017 - 2019

Bilimsel Hakemlikler

- I. TRIBOLOGY INTERNATIONAL, SCI Kapsamındaki Dergi, Mart 2020
- II. INTERNATIONAL JOURNAL OF METALCASTING, SCI Kapsamındaki Dergi, Şubat 2019
- III. MATERIALS EXPRESS, SCI Kapsamındaki Dergi, Ağustos 2018
- IV. INTERNATIONAL JOURNAL OF METALCASTING, SCI Kapsamındaki Dergi, Haziran 2018
- V. TRIBOLOGY LETTERS, SCI Kapsamındaki Dergi, Eylül 2017

Metrikler

Yayın: 50
Atıf (WoS): 200
Atıf (Scopus): 280
H-İndeks (WoS): 9
H-İndeks (Scopus): 10

Antrenörlük Görevleri

Hakemlik Görevleri
