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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAW-5871-2020

Yoksis Araştırmacı ID: 20774

Eğitim Bilgileri

Doktora, Marmara Üniversitesi, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, Türkiye 1998 - 2003

Yüksek Lisans, Marmara Üniversitesi, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, Türkiye 1994 - 1996

Lisans, Marmara Üniversitesi, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, Türkiye 1990 - 1994

Yabancı Diller

İngilizce, B2 Orta Üstü

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof.Dr., Marmara Üniversitesi, Teknoloji Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2016 - Devam Ediyor

Doç.Dr., Marmara Üniversitesi, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 2011 - Devam Ediyor

Doç.Dr., Marmara Üniversitesi, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 1994 - Devam Ediyor

Akademik İdari Deneyim

Marmara Üniversitesi, Teknoloji Fakültesi, 2016 - 2017

Marmara Üniversitesi, Teknoloji Fakültesi, Metalurji ve Malzeme Mühendisliği Bölümü, 2014 - 2017

Yönetilen Tezler

GÜLSOY H. Ö., Ti-Nb ESASLI ALAŞIMLARIN İMPLANT UYGULAMALARI İÇİN GÖZENEKLİ ÜRETİM VE BİYOAKTİF KAPLAMA İLE ÖZELLİKLERİNİN GELİŞTİRİLMESİ, Doktora, E.YILMAZ(Öğrenci), 2019

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Effects of layer thickness in laser-powder bed fusion of 420 stainless steel**
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- II. **Investigation of Creep Behavior of CNT Reinforced Ti6Al4V Under Dynamic Loads**
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- III. **Experimentation and analysis of powder injection molded Ti10Nb10Zr alloy: a promising candidate for electrochemical and biomedical application**
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- IV. **Microstructures, properties, and applications of laser sintered 17-4PH stainless steel**
Irrinki H., Nath S. D., Alhofors M., Stitzel J., Gulsoy O., Atre S. V.
JOURNAL OF THE AMERICAN CERAMIC SOCIETY, cilt.102, sa.9, ss.5679-5690, 2019 (SCI-Expanded)
- V. **Effects of Nb and Mo on the microstructure and properties of 420 stainless steel processed by laser-powder bed fusion**
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Additive Manufacturing, cilt.28, ss.682-691, 2019 (SCI-Expanded)
- VI. **Novel hydroxyapatite/graphene oxide/collagen bioactive composite coating on Ti16Nb alloys by electrodeposition**
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- VIII. **Biomedical porous Ti-16Nb-10Zr-(0-15)Ta alloys**
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- IX. **Microstructure-property relationships of 420 stainless steel fabricated for by laser-powder bed fusion**
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- X. **Investigation of wear behavior of Ti-6Al-4V/CNT composites reinforced with carbon nanotubes**
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- XI. **Mechanical properties and electrochemical behavior of porous Ti-Nb biomaterials**
YILMAZ E., GÖKÇE A., FINDIK F., GÜLSOY H. Ö., İYİBİLGİN O.
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- XII. **Assessment of Ti-16Nb-xZr alloys produced via PIM for implant applications**
YILMAZ E., GÖKÇE A., FINDIK F., GÜLSOY H. Ö.
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- XIII. **Powder Metallurgy Processing of Ti-Nb Based Biomedical Alloys**
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- XIV. **Characterization of biomedical Ti-16Nb-(0-4)Sn alloys produced by Powder Injection Molding**
YILMAZ E., GÖKÇE A., FINDIK F., GÜLSOY H. Ö.
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- XV. **Ni-718 superalloy foam processed by powder space-holder technique: Microstructural and**

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KOVOVE MATERIALY-METALLIC MATERIALS, cilt.55, sa.4, ss.273-278, 2017 (SCI-Expanded)

- XVI. **Production of porous Ti5Al2.5Fe alloy via pressureless spark plasma sintering**
Yamanoglu R., Gulsoy N., Olevsky E. A., Gulsoy H. O.
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- XVII. **Powder injection molding of Stellite 6 powder: Sintering, microstructural and mechanical properties**
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- XVIII. **Effect of Zr, Nb and Ti addition on injection molded 316L stainless steel for bio-applications: Mechanical, electrochemical and biocompatibility properties**
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- XIX. **The effect of aging treatment on the fracture toughness and impact strength of injection molded Ni-625 superalloy parts**
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- XX. **Influence of TiC, TiN and TiC(N) additions on sintering and mechanical properties of injection moulded titanium based metal matrix composites**
Gulsoy H. O., Gunay V., Baykara T.
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- XXIII. **Microstructural and mechanical characterization of injection molded 718 superalloy powders**
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ÖZGÜN Ö., GÜLSOY H. Ö., YILMAZ R., FINDIK F.
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- XXV. **Microstructure and mechanical properties of injection moulded Nimonic-90 superalloy parts**
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- XXVI. **Injection Molding of Mechanical Alloyed Ti-Fe-Zr Powder**
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- XXVII. **Effect of boron addition on injection molded 316L stainless steel: Mechanical, corrosion properties and in vitro bioactivity**
Bayraktaroglu E., GÜLSOY H. Ö., GÜLSOY N., Er O., KILIÇ H.
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- XXVIII. **Injection molding of micro-porous titanium alloy with space holder technique**
Engin G., Aydemir B., GÜLSOY H. Ö.
RARE METALS, cilt.30, sa.6, ss.565-571, 2011 (SCI-Expanded)
- XXIX. **Sintering parameters and mechanical properties of injection moulded aluminium powder**
Acar L., Gulsoy H. O.

- POWDER METALLURGY, cilt.54, sa.3, ss.427-431, 2011 (SCI-Expanded)
- XXX. **Injection moulding of 316L stainless steels reinforced with nanosize alumina particles**
Gulsoy H. O., Baykara T., Ozbek S.
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- XXXI. **Processing and mechanical properties of B4C reinforced Al matrix composites**
Topcu I., Gulsoy H. O., Kadioglu N., Gulluoglu A. N.
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- XXXII. **Effect of sintering parameters on mechanical properties of injection moulded Ti-6Al-4V alloys**
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- XXXIII. **Sintered foams from precipitation hardened stainless steel powder**
Gulsoy H. O., German R. M.
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- XXXIV. **Mechanical Properties of Polymers Filled with Iron Powder**
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Diğer Dergilerde Yayımlanan Makaleler

- I. **Eklemeli İmalat Teknolojilerinin Tıbbi Ekipmanların Üretiminde Kullanımı**
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- II. **Influence of Niobium additions on sintering behaviors and mechanical properties of injection molded 420 stainless steel powder**
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- III. **Evaluation of Multi-Walled CNT Particulate Reinforced Ti6Al4V Alloy Based Composites Creep Behavior of Materials Under Static Loads**
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- IV. **Effects of powder characteristics and processing conditions on the corrosion performance of 17-4 PH stainless steel fabricated by laser-powder bed fusion**
Harish I., Harper T., Badwe S., Stitzel J., Gupta G., GÜLSOY H. Ö., Atre s.
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- V. **Bor İlavesinin Toz Metal D2 Takım Çeliğinin Mikroyapı ve Mekanik Özelliklerine Etkisi**
ÖZGÜN Ö., ERÇETİN A., BALALAN Z., GÜLSOY H. Ö., uzun m.
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- VI. **Production of Boron Carbide Based Sandblast Nozzle By Using Low Pressure Powder Injection Molding Method and Modeling of Production Parameters via Artificial Neural Networks**
Hartomacioğlu S., Gülsoy H. Ö., Onat A.
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- VII. **Water Absorption, Friction and Wear Behaviors of Polypropylene Composites Filled with Hydroxyapatite**
Taşdemir M., Gülsoy H. Ö.
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- VIII. **Effect of Nb addition on microstructural and mechanical properties of Ti-Nb based alloys produced by powder metallurgy**
YILMAZ E., GÖKÇE A., FINDIK F., GÜLSOY H. Ö.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, cilt.23, sa.8, ss.945-948, 2017 (ESCI)

- IX. **Effect of Particle Size on Sintering Characteristics and Mechanical Properties of Injection Molded 316L Powder**
GÜLSOY H. Ö., bilketay s.
Advanced Science, Engineering and Medicine, cilt.8, 2016 (Hakemli Dergi)
- X. **Effect of Subsequent Aging on Wear Behaviour of SiCp Reinforced AA2124 Aluminum Metal Matrix Composite**
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- XI. **Sintering and Mechanical Properties of Titanium Composites Reinforced Nano Sized Al₂O₃ Particles**
Gülsoy H. Ö., Pazarlıoğlu S. S., Özbey S., Mesut Ç., Hanifi A.
International Journal of Materials, Mechanics and Manufacturing, cilt.4, ss.111-114, 2016 (Hakemli Dergi)
- XII. **Effect of Zr Nb and Ti Additions on Injection Molded 316L Stainless Steel Microstructural Mechanical Properties and Corrosion Resistance**
Gülsoy H. Ö., Pazarlıoğlu S. S., Özbey S.
Advanced Materials Research, cilt.119, ss.505-509, 2015 (Hakemli Dergi)
- XIII. **Toz Metalurjisi Ürünü Fe Cu C ve Fe Cu Parçalarının İşlenebilirlik Özelliklerinin Delme Testi ile Belirlenmesi**
SALMAN S., GÜLSOY H. Ö.
Metal Dünyası, cilt.1, sa.125, ss.91-94, 2003 (Hakemsiz Dergi)
- XIV. **Mekanik Alaşımlama ve Uygulama Alanları**
GÜNDÜZ O., BOZKURT Y., GÜLSOY H. Ö., SALMAN S.
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Kitap & Kitap Bölümleri

- I. **Powder binder formulation and compound manufacture in metal injection molding (MIM)**
ENNETI R., ONBATTUVELLI V., GÜLSOY H. Ö., kate k, atre s.
Handbook of Metal Injection Molding - 2nd Edition - Elsevier, Donald Heaney, Editör, elsevier, NA, ss.5-70, 2018
- II. **METALOGRAFİ BİLİMİ NOBEL ANKARA**
SALMAN S., GÜLSOY H. Ö.
NOBEL, 2014
- III. **Metalografi Bilimi**
GÜLSOY H. Ö., SALMAN S.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **The Effect of Boron Addition on The Microstructure and Mechanical Properties of HCx Tool Steel**
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- II. **Sıcak İzostatik Preslemenin Lazer-Toz Yatak Füzyon Tekniği ile Üretilmiş 17-4PH Paslanmaz Çelikler Üzerine Etkisi**
Deb Nath S., Irrinki H., Alhofors M., Stitzel J., GÜLSOY H. Ö., Atre S.
2. uluslararası türk dünyası mühendislik ve fen bilimleri kongresi, 7 - 10 Kasım 2019
- III. **Eklemler İmalat Teknolojileri ve Uygulamaları**
GÜLSOY H. Ö.
2. uluslararası türk dünyası mühendislik ve fen bilimleri kongresi, 7 - 10 Kasım 2019
- IV. **Laser - powder bed fusion of bronze: microstructural, mechanical and elektrochemical properties'xx'xx**

TOP M. N., GÜLSOY H. Ö.

Twenty-first Annual ConferenceYUCOMAT 2019Eleventh WorldRound Table Conferenceon Sintering - Science of Sintering Its Future: Fifty Years Later, 2 - 06 Eylül 2019

V. **Powder injection molding of B4C-CrB2 composite based sandblast nozzles**

HARTOMACIOĞLU S., GÜLSOY H. Ö.

AM-PM 2019, 23 - 26 Haziran 2019

VI. **Bronz Parçaların Seçici Lazer Ergitme (SLM) Metodu ile Üretilmesi: Mikroyapı ve Mekanik Özellikler**

TOP M. N., GÜLSOY H. Ö.

IMSMATEC-2019, 21 - 23 Haziran 2019

VII. **Bronz Parçaların Seçici Lazer Ergitme (SLM) Metodu ile Üretilmesi: Mikroyapı ve Mekanik Özellikler**

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he International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology in Cappadocia / TURKEY (IMSMATEC 2019), 21 - 23 Haziran 2019

VIII. **AISI-420 MARTENZİTİK PASLANMAZ ÇELİKLERİN TOZ ENJENSİYON KALIPLAMA METODU KULLANIKARAK ÜRETİLMESİ VE MİKROYAPI, MEKANİK VE KOROZYON ÖZELLİKLERİNİN İNCELENMESİ**

Gülsoy H. Ö.

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IX. **SÜRTÜNME KARIŞTIRMA NOKTA KAYNAĞI PROSES PARAMETRELERİNİN MİKROYAPI VE MEKANİK ÖZELLİKLERİ ÜZERİNDE ETKİSİ**

Kırman M., BOZKURT Y., GÜLSOY H. Ö., AKÇAKALE N.

ZEUGMA 2. ULUSLARARASI MULTİDİSİPLİNER ÇALIŞMALAR KONGRESİ, Gaziantep, Türkiye, 18 - 20 Ocak 2019, cilt.3, ss.2027-2042

X. **Influence of Ta addition on the microstructures and mechanical properties of biomedicalTi16Nb10Zr alloy**

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XI. **Hydroxyapatite coating on Ti16Nb alloy by electrochemical deposition**

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Irrinki H., Dilip Jangam J. S., Pasebani S., Badwe S., Stitzel J., Kate K., GÜLSOY H. Ö., atre s.

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XIV. **Effects of Hot Isostatic Pressing on the Mechanical Properties and Microstructures of 17-4 PH Stainless Steel Processed by Laser-Powder Bed Fusion**

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XV. **Investigation of the Corrosion Behavior of 420 Stainless Steel Processed by Laser-Powder Bed Fusion**

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XVI. **Laser-Powder Bed Fusion of Bronze:Mechanical Properties**

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- XVIII. Effect of Sintering Conditions on Mechanical Properties of Injection Molded Ti10Nb10Zr Alloy for Bio-applications**
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- XIX. Influence of Zr addition on the corrosion behavior of biomedical PIM Ti-16Nb-(0, 5, 10) Zr alloys in SBF**
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- XX. Biomedical Porous Ti-16Nb-10Zr-(0-15) Ta Alloys**
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- XXI. modelling of production parameters of B4C ZrO2 composites via artifical neural networks method**
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- XXII. Application of a hybrid model : fractional experimental design artifical neural network grey relational analysis method on optimization of process parameters of powder metallurgy**
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- XXIII. The Effect of Copper Addition On Mechanical and Corrosion Properties of AA 1055 Aluminium Alloys**
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- XXIV. Electrochemical Corrosion Behavior of Ti and Ti-16Nb Alloy for Implant Applications**
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- XXV. investigation of rheological properties of cobalt based superalloy powder PIM feedstock**
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- XXVI. Production of boron carbide based sandblasting nozzle by using low pressure powder injection molding method and modeling of production parameters via artificial neural network**
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- XXVII. Production of boron carbide based sandblasting nozzle by using low pressure powder injection molding method and modelling of production parameters via artifical neural network**
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- XXVIII. DEVELOPMENT OF tİ16NBxZr ALLOY FOR İMPLANT APPLİCATIONS**
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- XXIX. Electrochemical Behavior of injection Molded Gas and Water Atomized 17-4PH Stainless Steel Powder**
ÖZBEY S., AKDAĞ E., KALIN G., GÜLSOY H. Ö.
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