

Assoc. Prof. Yaman ERARSLAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAG-8970-2019

ScopusID: 6507785995

Yoksis Researcher ID: 174742

Education Information

Doctorate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 1991 - 1999

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Etial-60 Alaşımında Döküm ve Homojenizasyon Uygulamalarının Ekstrüzyon Kabiliyetine Etkileri, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü/Malzeme Ana Bilim Dalı, 1999

Postgraduate, Soğuk Hadde Tesislerinde Verimlilik ve Kalitenin Arttırılması, Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü/Malzeme Ana Bilim Dalı, 1989

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Metallic Materials, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2013 - Continues

Courses

Bitirme Çalışması, Undergraduate, 2023 - 2024, 2022 - 2023

Hasar Analizi, Undergraduate, 2023 - 2024, 2022 - 2023

Plastik Şekillendirme Teknolojisi, Undergraduate, 2023 - 2024
Uzmanlık Alan Dersi, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Yüksek Lisans Tezi, Postgraduate, 2023 - 2024, 2022 - 2023, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Doktora Tezi, Doctorate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
Makine Elemanları, Undergraduate, 2023 - 2024
Uzmanlık Alan Dersi (Doktora), Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022
Seminer, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Talaşlı İmalat Teknolojisi, Undergraduate, 2023 - 2024
Fundamentals of Manufacturing Technologies, Undergraduate, 2022 - 2023, 2021 - 2022
Seminer, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Malzeme Teknolojilerinde Tasarım Uygulamaları, Undergraduate, 2023 - 2024
21. Yüzyıl İçin Malzemeler, Postgraduate, 2016 - 2017, 2014 - 2015

Advising Theses

Erarlan Y., Havacılık endüstrisinde kullanılan CFRP kompozit malzemelerinin delik delme talaşlı imalat prosesini etkileyen parametrelerin incelenmesi, Postgraduate, E.AYDIN(Student), 2023
Erarlan Y., Magnezyum AZ91 Alaşımının Değişik Sıcaklıklarda Deformasyon Kabiliyetinin İncelenmesi, Postgraduate, O.KARAAHMET(Student), 2016
Erarlan Y., In-Situ Alümina Partikül Takviyeli Alüminyum Matrisli Kompozitlerin Üretim ve Karakterizasyonu, Postgraduate, Ö.ÖZÇELİK(Student), 2016
Erarlan Y., Alüminyum Alaşımı Malzemelerin 7,62 mm Mühimmata Karşı Balistik Performanslarının İncelenmesi, Postgraduate, H.BİNAY(Student), 2016
ERARSLAN Y., Nikel-Kobalt İlavesi ve Öğütme Parametrelerinin Toz Metalurjisiyle Üretilmiş Tungsten-Bakır Alaşımalarında Korozyon Direnci Davranışına Etkisinin Karşılaştırmalı İncelemesi, Postgraduate, F.Başak(Student), 2016
Erarlan Y., Toz Metalurjisi Yöntemi ile AISi12-CuAl2 Metal Matrisli Kompozit Üretimi Ve CuAl2 Oranının Özelliklere Etkisi, Postgraduate, M.Levent(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Wear and corrosion resistance enhancement of chromium surfaces through graphene oxide coating**
Ozkan D., Erarlan Y., Kincal C., Gürlü O., Yagci M. B.
SURFACE & COATINGS TECHNOLOGY, vol.391, 2020 (SCI-Expanded)
- II. **Tribological Behavior of TiAlN, AlTiN, and AlCrN Coatings at Boundary Lubricating Condition**
Özkan D., Erarlan Y., Sulukan E., Kara L., Alper Yılmaz M., Yağcı M. B.
Tribology Letters, vol.66, 2018 (SCI-Expanded)
- III. **Wear Behavior of AZ91D Magnesium Composite**
Erarlan Y., Akça C.
Journal of Engineering and Natural Sciences, vol.33, no.3, pp.458-464, 2015 (SCI-Expanded)
- IV. **Wear performance of in-situ aluminum matrix composite after micro-arc oxidation**
Erarlan Y.
TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.23, no.2, pp.347-352, 2013 (SCI-Expanded)
- V. **Fabrication and Aging Behaviour of In-Situ Aluminum Composites**
Erarlan Y.
MATERIALS TESTING, vol.53, no.5, pp.298-302, 2011 (SCI-Expanded)
- VI. **Contribution of MoS2 additives to the Microstructure and Properties of PM Copper Based Brake Material**

Uzunsoy D., Kelesoglu E., Erarslan Y.

MATERIALS TESTING, vol.51, no.5, pp.318-322, 2009 (SCI-Expanded)

VII. Deformation Character of the Aluminum Alloy AA 6063 Depending on the Homogenization State

Kelesoglu E., Erarslan Y., Ozer G.

MATERIALS TESTING-MATERIALS AND COMPONENTS TECHNOLOGY AND APPLICATION, vol.51, no.6, pp.390-394, 2009 (SCI-Expanded)

VIII. The dependence of hot deformation-recrystallisation properties of Al-6063 (Etial-60) alloy on homogenisation practice

Erarslan Y., Çiğdem M.

ZEITSCHRIFT FUR METALLKUNDE, vol.93, no.1, pp.28-32, 2002 (SCI-Expanded)

IX. The Effect of Mould Lubrication on the Surface Quality of Semicontinuously D.C. Cast Al-6063 Billets

Erarslan Y., Çiğdem M.

Praktische Metallographie-Practical Metallography, vol.34, no.11, pp.555-572, 1997 (SCI-Expanded)

Articles Published in Other Journals

I. TRIBOLOGICAL BEHAVIOUR AND CORROSION IMPROVEMENT OF THE CHROMIUM COATED PISTON RINGS BY GRAPHENE OXIDE

Özkan D., ERARSLAN Y., Kincal C., Sulukan E.

Proceedings on Engineering Sciences, vol.1, no.1, pp.208-211, 2019 (Scopus)

II. The effect of mould lubrication on the surface and subsurface quality of semicontinuously D. C. cast Al-6063 alloy billets Einfluß der kokillenschmierung auf die qualität von oberfläche und randbereich von halbkontinuierlich gegossenen knüppeln der aluminiumlegierung Al-6063

ÇİĞDEM M., ERARSLAN Y.

Praktische Metallographie/Practical Metallography, vol.34, no.11, pp.555-572, 1997 (Scopus)

Books & Book Chapters

I. Alüminyum Ekstrüzyon Teknolojisi

Erarslan Y., Keleşoğlu E.

Ege Yayınları, İstanbul, 2005

Refereed Congress / Symposium Publications in Proceedings

I. Wear properties of in-situ aluminum matrix composite reinforced with Al₂O₃

Erarslan Y., Keleşoğlu E., Küçüktürk G.

Materials Science and Technology Conference and Exhibition 2010, MS and T'10, Houston, TX, United States Of America, 17 - 21 October 2010, vol.3, pp.2182-2188

Expert Reports

I. Dövme Çelik Kanca Hasarı Hk.

AKÇA C., ERARSLAN Y.

12. Asliye Hukuk, pp.20, İstanbul, 2014

Supported Projects

ERARSLAN Y., Project Supported by Higher Education Institutions, Nano ve Mikro SiC ve TiC Partikül Takviyeli, Sıcak Dövülmüş Magnezyum Kompozit Üretimi ve Mikroyapı, Mekanik ve Yüksek Sıcaklık Özelliklerinin Araştırılması, 2011 - 2015

Erarslan Y., TUBITAK Project, Degisken Hızlı, İki Hatveli, Üç Hareketli, Yarı Otomatik Alüminyum Profil Sarma Makinesi, 2013 - 2014

Akça C., Erarslan Y., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, DEĞİŞTİRİLEBİLİR MÜHİMMAT KULLANABİLEN LABORATUVAR TİPİ BALİSTİK TEST CİHAZI TASARIMI, ÜRETİMİ VE PARTİKÜL TAKVİYELİ HAFİF METAL KOMPOZİTLERİN BALİSTİK PERFORMANSLARININ ARAŞTIRILMASI, 2011 - 2013

ERARSLAN Y., Project Supported by Higher Education Institutions, Y2O3 Kaplanmış Al₂O₃ Partikül Takviyeli 6061 Al Alaşımının Ekstrüzyon Kabiliyeti ve Su Verme Hassasiyetinin Belirlenmesi, 2007 - 2009

Scientific Refereeing

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Yıldız Technical University, Turkey, July 2016

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Journal Indexed in ESCI, June 2016

TUBITAK Project, 1509 - TÜBİTAK International Industry R&D Projects Support Program, Yıldız Technical University, Turkey, September 2015

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, June 2015

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Journal Indexed in ESCI, January 2015

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Yıldız Technical University, Turkey, January 2015

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, June 2014

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, February 2013

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Yıldız Technical University, Turkey, May 2012

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, March 2012

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, January 2012

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, September 2011

TUBITAK Project, 1007 - Public Institutions Research and Development Projects DP, TÜBİTAK, Turkey, September 2011

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, June 2011

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, January 2011

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Yıldız Technical University, Turkey, December 2009

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, July 2009

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Yıldız Technical University, Turkey, June 2009

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Yıldız Technical University, Turkey, May 2009

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Yıldız Technical University, Turkey, April 2009

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Yıldız Technical University, Turkey, March 2009

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Yıldız Technical University, Turkey, May 2007

Metrics

Publication: 22

Citation (WoS): 58

Citation (Scopus): 94

H-Index (WoS): 4

H-Index (Scopus): 4

Congress and Symposium Activities

NANOSCALE FRICTION BEHAVIOR OF GRAPHENE ON POLISHED STEEL SURFACES, Attendee, Nevşehir, Turkey, 2017

TÜBİTAK-ARDEB, Panelists, Ankara, Turkey, 2012

Non Academic Experience

TÜBİTAK-TEYDEB