

Personal Information

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Education Information

Doctorate, Yıldız Teknik Üniversitesi, 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
Post Graduate, Soğuk Hadde Tesislerinde Verimlilik ve Kalitenin Artırılması, 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, Yıldız Technical University, Malzeme Mühendisliği Bölümü, 2013 - Continues

Advising Theses

Erarslan Y., Magnezyum AZ91 Alaşımının Değişik Sıcaklıklarda Deformasyon Kabiliyetinin İncelenmesi, Post Graduate, O.KARAAHMET(Student), 2016

Erarslan Y., In-Situ Alümina Partikül Takviyeli Alüminyum Matrisli Kompozitlerin Üretim ve Karakterizasyonu, Post Graduate, Ö.ÖZÇELİK(Student), 2016

Erarslan Y., Alüminyum Alaşımı Malzemelerin 7,62 mm Mühimmata Karşı Balistik Performanslarının İncelenmesi, Post Graduate, H.BİNA Y(Student), 2016

ERARSLAN Y., Nikel-Kobalt İlavesi ve Öğütme Parametrelerinin Toz Metalurjisiyle Üretilmiş Tungsten-Bakır Alaşımalarında Korozyon Direnci Davranışına Etkisinin Karşılaştırmalı İncelemesi, Post Graduate, F.Başak(Student), 2016

Erarslan Y., Toz Metalurjisi Yöntemi ile AISi12-CuAl2 Metal Matrisli Kompozit Üretimi Ve CuAl2 Oranının Özelliklere Etkisi, Post Graduate, M.Levent(Student), 2016

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Wear and corrosion resistance enhancement of chromium surfaces through graphene oxide coating**

Ozkan D., ERARSLAN Y., Kincal C., Gürlü O., Yagci M. B.

SURFACE & COATINGS TECHNOLOGY, vol.391, 2020 (Journal Indexed in SCI)

- **Tribological Behavior of TiAlN, AlTiN, and AlCrN Coatings at Boundary Lubricating Condition**

Özkan D., Erarslan Y., Sulukan E., Kara L., Alper Yılmaz M., Yağcı M. B.

Tribology Letters, vol.66, 2018 (Journal Indexed in SCI)

- **Wear performance of in-situ aluminum matrix composite after micro-arc oxidation**

Erarslan Y.

TRANSACTIONS OF NONFERROUS METALS SOCIETY OF CHINA, vol.23, pp.347-352, 2013 (Journal Indexed in SCI)

- **Fabrication and Aging Behaviour of In-Situ Aluminum Composites**

Erarslan Y.

MATERIALS TESTING, vol.53, pp.298-302, 2011 (Journal Indexed in SCI)

- **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, pp.390-394, 2009 (Journal Indexed in SCI)

- **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, pp.318-322, 2009 (Journal Indexed in SCI)

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

Erarslan Y., Çiğdem M.

ZEITSCHRIFT FÜR METALLKUNDE, vol.93, pp.28-32, 2002 (Journal Indexed in SCI)

- **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, pp.555-572, 1997 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- **Wear Behavior of AZ91D Magnesium Composite**

Erarslan Y., Akça C.

Journal of Engineering and Natural Sciences, vol.33, pp.458-464, 2015 (International Refereed University Journal)

Book & Book Chapters

- **Alüminyum Ekstrüzyon Teknolojisi**

Erarslan Y., Keleşoğlu E.

Ege Yayınları, İstanbul, 2005

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., 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

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
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
Sigma Journal of Engineering and Natural Sciences, Conference Paper (Full Text), July 2013
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

Invited Congress and Symposium Activities

NANOSCALE FRICTION BEHAVIOR OF GRAPHENE ON POLISHED STEEL SURFACES, Attendee, Nevşehir, Turkey, 2017
TÜBİTAK-ARDEB, Panelists, Ankara, Turkey, 2012

Citations

Total Citations (WOS):30

h-index (WOS):3