

Lect. PhD GÖKHAN KARA

Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği / Malzeme Anabilimdalı , Turkey 2011 - 2017

Post Graduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği / Üretim Metalurjisi, Turkey 1999 - 2002

Under Graduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Farklı kristal yapılarıdaki titanyum ve alaşımlarının borlanması ve borlamanın bu malzemelerin mikroyapı, mekanik ve biyouyumluluk özellikleri üzerindeki etkilerinin incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği/Malzeme, 2017

Post Graduate, Levha Döküm Metodu ile üretilen AA8006 alaşımlı levhaların termo-mekanik davranışının incelenmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, Metalurji Ve Malzeme Mühendisliği, 2002

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Biomaterials, Thermal Treatment, Plating, Material Characterization, Mechanical Metallurgy, Engineering and Technology

Academic Titles / Tasks

Lecturer, Karadeniz Technical University, Sürmene Abdullah Kanca Meslek Yüksek Okulu, Makine Ve Metal Teknolojileri, 2013 - Continues

Professional Experience

Head of Department, Karadeniz Technical University, Makine Ve Metal Teknolojileri, 2013 - 2014

Courses

Malzeme, Associate Degree, 2013 - 2014
Makine Elemanları, Associate Degree, 2013 - 2014
Mesleki Yabancı Dil, Associate Degree, 2013 - 2014
İşletme Yönetimi, Associate Degree, 2013 - 2014

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

- I. **Boriding behaviour of titanium alloys with different crystalline structures**
KARA G., PÜRÇEK G.
SURFACE ENGINEERING, vol.35, pp.611-617, 2019 (Journal Indexed in SCI)
- II. **Growth kinetics and mechanical characterization of boride layers formed on beta-type Ti-45Nb alloy**
KARA G., PÜRÇEK G.
SURFACE & COATINGS TECHNOLOGY, vol.352, pp.201-212, 2018 (Journal Indexed in SCI)
- III. **Improvement of wear behaviour of titanium by boriding**
KARA G., PÜRÇEK G., YANAR H.
INDUSTRIAL LUBRICATION AND TRIBOLOGY, vol.69, pp.65-70, 2017 (Journal Indexed in SCI)
- IV. **Microstructure And Tribological Properties Of Ti Borided By Electron Beam Evaporation Technique**
KARA G., PÜRÇEK G., BACAŞIZ E., ATASOY Y.
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.21, pp.24-37, 2015 (Journal Indexed in SCI Expanded)

Books & Book Chapters

- I. **The Effect of Casting Parameters on the Metallurgical Quality of Twin Roll Cast Strip**
KARA G., Birol Y.
in: Continuous Casting, K. Ehrke, W. Schneider, Editor, Wiley-Vch Verlag Gmbh, Weinheim, pp.40-44, 2006

Refereed Congress / Symposium Publications in Proceedings

- I. **Microstructure and Wear Behaviour of Borided Ti-6Al-4V Alloy by Solid State Diffusion Process**
KARA G., PÜRÇEK G.
BalkanTRIB17 9. International Conference on Tribology, Nevşehir, Turkey, 13 - 15 September 2017, pp.1
- II. **Effect of Boriding Mixture on Mechanical and Tribological Properties of Borided CP Grade-2 Ti**
KARA G., PÜRÇEK G.
BalkanTRIB'17 9. International Conference on Tribology, Nevşehir, Turkey, 13 - 15 September 2017, pp.1
- III. **Tribological behavior of borided cp titanium (grade-2) under linear reciprocating sliding conditions**
KARA G., PÜRÇEK G.
IBERTTRIB 2017 - IX Iberian Conference on Tribology, Guimarães, Portugal, 13 - 15 July 2017, pp.1
- IV. **Microstructure and Wear Behaviour of Ti Alloy Borided By Electron Beam Evaporation Technique**
PÜRÇEK G., KARA G.
2016 International Conference on Engineering Tribology and Applied Technology, 4 - 06 November 2016
- V. **Microstructure and tribological properties of β -Ti alloy borided by electron beam evaporation**
KARA G., PÜRÇEK G.
ICETAT, Taipei, Taiwan, 4 - 06 November 2016, pp.1
- VI. **Improvement of wear behaviour of titanium by boriding**
KARA G., PÜRÇEK G., YANAR H.
TURKEYTRIB 2015 1st International Conference on Tribology, İstanbul, Turkey, 7 - 09 October 2015, pp.1
- VII. **Improvement Of Wear Resistance Of Pure Titanium (Grade-2) By Boriding Using Electro-Beam**

Evaporation Technique At Room Temperature

KARA G., PÜRÇEK G., BACAĞSIZ E., ATASOY Y.

BALKANTRIB'14, 8th International Conference on Tribology, Sinaia, Romania, 30 October - 01 November 2014, pp.1

VIII. The response of AA6063 extrusion alloy to homogenization heat treatment

BIROL Y., KARA G., usta m.

The Minerals, Metals and Materials Society (TMS), San Diego, United States Of America, 15 - 18 July 2003, pp.463-472

IX. Şerit döküm AlFeSi alaşımlarından ısı dönüştürücü levha üretimi

BIROL Y., KARA G.

Metalurji ve Malzeme Kongresi, İstanbul, Turkey, 15 - 17 June 2002, pp.105-107

X. Fe/Si oranının şerit döküm AA8011 alaşımının mikroyapısına etkisi

BIROL Y., KARA G.

Metalurji ve Malzeme Kongresi, İstanbul, Turkey, 15 - 17 June 2002, pp.100-1004

XI. The response of twin roll cast aluminum strips to thermo-mechanical processing

BIROL Y., ZEYBEKOGLU H., OKUMUS E., Kara G., AKKURT A., ROMANOWSKI C.

130th TMS Annual Meeting, Louisiana, United States Of America, 11 - 15 February 2000, pp.1107-1113

XII. Twin-roll cast 5000 series aluminum sheet for automotive applications

BIROL Y., ZEYBEKOGLU H., Kara G., DUNDAR M., ÇAKIR O., AKKURT A., YILDIZBAYRAK G., ROMANOWSKI C.

Symposium on Automotive Aluminum 2001/Aluminum Joining Including Friction Stir Welding held at the 2001 TMS Annual Meeting, Louisiana, United States Of America, 12 - 14 February 2001, pp.107-113

XIII. Effect of Casting Parameters on the Metallurgical Quality of Twin Roll Cast Strip

BIROL Y., KARA G., Romanowski C.

Proc. Int. Conf. Continous Casting, DGM, Weinheim, Germany, 15 - 18 June 2000, pp.40-44

Citations

Total Citations (WOS):22

h-index (WOS):3