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Personal Information

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Education Information

Doctorate, Ankara Yıldırım Beyazıt University, Mühendislik Ve Doğa Bilimleri Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2017 - Continues

Postgraduate, Ankara Yıldırım Beyazıt University, Mühendislik Ve Doğa Bilimleri Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2014 - 2017

Postgraduate, Gazi University, Teknoloji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, Turkey 2012 - 2016

Undergraduate, Gazi University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, Turkey 2006 - 2010

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, Characterization of nuclear fuel rod cladding zirconium alloys, Ankara Yıldırım Beyazıt Üniversitesi, Mühendislik ve Doğa Bilimleri Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2017

Postgraduate, Alüminyum alaşımlarından santrifüj döküm yöntemi ile fonksiyonel derecelendirilmiş malzeme üretimi, Gazi Üniversitesi, Teknoloji Fakültesi, Metalurji Ve Malzeme Mühendisliği Bölümü, 2016

Research Areas

Material science and engineering

Academic Titles / Tasks

Research Assistant, Ankara Yıldırım Beyazıt University, Mühendislik Ve Doğa Bilimleri Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2014 - Continues

Research Assistant, Gazi University, Metalurji Ve Malzeme Mühendisliği Bölümü, 2011 - 2014

Articles Published in Other Journals

- I. **The Effect of Production Parameters on Secondary Dendrite Arm Spacing (SDAS) and Estimation of Cooling Rate by SDAS in Functionally Graded Al-Cu Eutectic Alloy**
AĞCA S.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.1, no.1, pp.36-41, 2017 (Peer-Reviewed Journal)
- II. **The Effect of Cold Rolling on Mechanical Properties of Zircaloy-4**
AĞCA S., ÇANKAYA G.
International Journal of Multidisciplinary Studies and Innovative Technologies, vol.1, no.1, pp.29-35, 2017 (Peer-Reviewed Journal)
- III. **Santrifüj Döküm Yöntemiyle Üretilen Al-Cu Fonksiyonel Derecelenmiş Malzemelerde Üretim Parametrelerinin Malzemenin Sertliği Üzerine Etkisi**
AĞCA S., AKAR N.
Politeknik Dergisi, vol.20, no.1, pp.121-127, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Absorber and Interface Properties of (Ag,Cu)(In,Ga)Se₂ Solar Cells: Results of the EFFCIS-II Project**
Witte W., Hariskos D., Maiberg M., Ağca S., Hauschild D., Blankenship M., Heske C., Mock M., Schneider R., Abou-Ras D., et al.
8th World Conference on Photovoltaic Energy Conversion, Milan, Italy, 26 - 30 September 2022, pp.1
- II. **Role of Na and Ag in interconnection between chemical composition and electrical properties of grain boundaries in Cu(In, Ga)Se₂**
Karami A., Cojocar-Miredin O., Morawski M., Ağca S., Scheer R., Kempa H.
E-MRS 2022 Spring, 30 May - 03 June 2022, pp.1
- III. **Bandgap Engineering of Chalcopyrite Solar Cells by Addition of Tellurium**
Ağca S., Çankaya G., Kempa H., Scheer R.
ISAS 2022 5th International Symposium on Innovative Approaches in Smart Technologies, Ankara, Turkey, 28 - 29 May 2022, pp.7
- IV. **Growth of ZnS Buffer Layer by Sol-Gel Method for CIGS Solar Cell**
AĞCA S., ÇOK B., ÇANKAYA G.
2nd International Congress on Semiconductor Materials Devices, Ardahan, Turkey, 28 - 30 August 2018, pp.82
- V. **Sol-Gel Deposition of ZnO Window Layer for CIGS Solar Cell**
Ağca S., Bilgen M., Çankaya G.
2nd International Congress on Semiconductor Materials Devices, Ardahan, Turkey, 28 - 30 August 2018, pp.81
- VI. **Fabrication of Nuclear Fuel Rod Alloy Zircaloy-4 by Centrifugal Casting**
Ağca S., Çankaya G.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 19 - 21 October 2018, pp.19
- VII. **The Optimization of Functionally Graded Material Production by Taguchi Design of Experiment**
AĞCA S., AĞCA M., İPEK M., ÇANKAYA G.
2nd International Symposium on Multidisciplinary Studies and Innovative Technologies, Ankara, Turkey, 19 - 21 October 2018, pp.20
- VIII. **The Effect of Cold Rolling on Micro and Nano Scale Surface Roughness of Zircaloy-4**
AĞCA S., ÇANKAYA G.
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 22 October 2017, pp.1768-1775
- IX. **Investigation of the Effects of Cold Treatment on Wear Performance of AISI 8620 Carburized Steel**
UÇAK N., ÇİÇEK A., AYVALI K., AĞCA S., ORHAN S.
8th International Advanced Technologies Symposium (IATS17), Elazığ, Turkey, 19 - 22 October 2017
- X. **The Effect of Cold Rolling on Mechanical Properties of Zircaloy-4**
AĞCA S., ÇANKAYA G.

1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017, pp.307

- XI. **The Effect of Production Parameters on Secondary Dendrite Arm Spacing (SDAS) and Estimation of Cooling Rate by SDAS in Functionally Graded Al-Cu Eutectic Alloy**

AĞCA S.

1st International Symposium on Multidisciplinary Studies and Innovative Technologies, Tokat, Turkey, 2 - 04 November 2017, pp.308

- XII. **Effect of Process Parameters on Shrinkage Cavity Size in Al-Cu Functionally Graded Materials Fabricated by Centrifugal Casting**

AĞCA S., neşet a.

1st International Conference on Engineering Technology and Applied Sciences, Afyonkarahisar, Turkey, 21 - 22 April 2016, pp.154-157

- XIII. **PERFORMANCE EVALUATION OF S700MC AND ST52 STEELS IN TERMS OF MECHANICAL PROPERTIES AND FATIGUE LIFE**

Usta T., ÇİÇEK A., UÇAK N., ÇELİK V., AĞCA S.

25th Anniversary International Conference on Metallurgy and Materials (METAL), Brno, Czech Republic, 25 - 27 May 2016, pp.549-554

Metrics

Publication: 16

Scholarships

2214-A Doktora Sırası Yurtdışı Araştırma Bursu, TÜBİTAK, 2020 - 2021

2211-C Yurt İçi Öncelikli Alanlar Doktora Burs Programı, TÜBİTAK, 2017 - 2021