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Education Information

Doctorate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1995 - 2005

Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1989 - 1994

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Metallurgical and Materials Engineering, Turkey 1985 - 1989

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Testing and Control of Materials, Mechanical Properties, Physical Properties, Corrosion and Corrosion Protection, Joining and Cutting, Nondestructive Testing, Physical Metallurgy, Thermal Treatment, Plating, Material Characterization, Mechanical Metallurgy, Metallic Materials, Thermal Properties, Engineering and Technology

Advising Theses

BATIGÜN C., ÖGEL B., Investigation of mechanical property changes after mig welding of (7XXX) series aluminum alloys, Postgraduate, S.OKAY(Student), 2016

GÜR C. H. , BATIGÜN C., Numerical investigation of residual stresses, distortion and microstructure evolution in multi-pass welded steel components, Doctorate, N.GARIPOVA(Student), 2016

BATIGÜN C., ÖGEL B., Optimization of mechanical and microstructural properties of weld joints between aluminium-magnesium and aluminium-magnesium-silicon alloys with different thicknesses, Postgraduate, M.EKŞİ(Student), 2013

GÜR C. H. , BATIGÜN C., Non-destructive evaluation of residual stresses in the multi-pass steel weldments, Postgraduate, G.Erian(Student), 2012

BATIGÜN C., Non-destructive evaluation of residual stresses in the multi-pass weldments, Postgraduate, G.ERİAN(Student), 2012

BATIGÜN C., GÜRBÜZ R., Microstructural and mechanical characterization of metal active gas welded joint between cast iron and low carbon steel, Postgraduate, M.TOLGA(Student), 2011

BATIGÜN C., GÜRBÜZ R., Effect of welding parameters on the hot cracking behavior of 7039 aluminum-zinc alloy,

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

- I. **Investigating the effects of subsequent weld passes on surface residual stresses in steel weld merits by Magnetic Barkhausen Noise technique**
GÜR C. H. , Erian G., BATIGÜN C., ÇAM İ.
Materials Evaluation, vol.74, no.3, pp.418-423, 2016 (Journal Indexed in SCI Expanded)
- II. **Investigating the Effects of Subsequent Weld Passes on Surface Residual Stresses in Steel Weldments by Magnetic Barkhausen Noise Technique**
GÜR C. H. , Erian G., BATIGÜN C., ÇAM İ.
MATERIALS EVALUATION, vol.74, no.3, pp.418-423, 2016 (Journal Indexed in SCI)
- III. **Numerical and Experimental Determination of the Residual Stress State in Multipass Welded API 5L X70 Plates**
Garipova N., BATIGÜN C., GÜR C. H.
MATERIALS TESTING, vol.56, no.10, pp.831-836, 2014 (Journal Indexed in SCI)
- IV. **Numerical and Experimental Determination of the Residual Stress State in Multi pass Welded API 5LX70 Plates**
GARİPOVA N., BATIGÜN C., GÜR C. H.
Materialprufung, vol.56, pp.831-836, 2014 (Journal Indexed in SCI Expanded)
- V. **Numerical and experimental determination of the residual stress state in multipass welded API 5LX70 plates**
Garipova N., BATIGÜN C., GÜR C. H.
Materialpruefung/Materials Testing, vol.56, no.10, pp.831-836, 2014 (Journal Indexed in SCI)
- VI. **Hot Cracking Susceptibility of Twin Roll Cast Al-Mg Alloy Welds**
Tirkes S., BATIGÜN C., Ankara A.
CANADIAN METALLURGICAL QUARTERLY, vol.49, no.1, pp.73-80, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Investigating the Effects of Subsequent Weld Passes on Surface Residual Stresses in Steel Weldments by Magnetic Barkhausen Noise Method**
GÜR C. H. , GÖKHAN E., BATIGÜN C., ÇAM İ.
Materials Evaluation, vol.73, pp.418-423, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Residual Stresses on the Structural Safety of the Butt Welded Structural Steels**
BATIGÜN C., GÜR C. H.
19th International Metallurgy and Materials Congress, İstanbul, Turkey, 25 - 27 October 2018, pp.1108-1111
- II. **Alın Kaynaklı Yapısal Çeliklerdeki Kalıntı Dağılımının Konstrüksiyon Güvenliğine Etkisi**
GÜR C. H. , BATIGÜN C.
10. Ulusal Kaynak Teknolojisi Kongresi, Ankara, Turkey, 17 - 18 November 2017
- III. **S235 Çeliğinin MAG Köşe Kaynağında Farklı Sabitleme Noktalarına Bağlı Gelişen Çarpılma Eğilimlerinin Sonlu Elemanlar Yöntemi ile Tahmin Edilmesi**
BEDİR E., BATIGÜN C., GÜR C. H.
9. Ulusal Kaynak Teknolojisi Kongresi, Ankara, Turkey, 20 - 21 November 2015, pp.191-207
- IV. **Monitoring the Effects of Subsequent Weld Runs on Surface Residual Stresses in Steel Plates by**

Magnetic Barkhausen Noise Method

ERIAN G., BATIGÜN C., ÇAM İ., GÜR C. H.

11th International Conference on Barkhausen Noise & Micromagnetic Testing, Kuşadası, Turkey, 18 - 20 June 2015

V. NONDESTRUCTIVE MONITORING OF VARIATIONS OF RESIDUAL STRESSES IN STEEL WELDMENTS BY MAGNETIC BARKHAUSEN NOISE METHOD

GÜR C. H. , Erian G., BATIGÜN C., ÇAM İ.

ASME Pressure Vessels and Piping Conference (PVP-2013), Paris, France, 14 - 18 July 2013

VI. Effect of weld repair on microstructure and mechanical properties of API 5LX65 steel

BATIGÜN C., Garipova N., Demircan M., GÜR C. H.

International Conference on Advances in Welding Science and Technology for Construction, Energy and

Transportation, AWST 2010, held in Conjunction with the 63rd Annual Assembly of the International Institute of Welding, IIW 2010, İstanbul, Turkey, 11 - 17 July 2010, pp.643-649

Citations

Total Citations (WOS):32

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